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May 15, 1967

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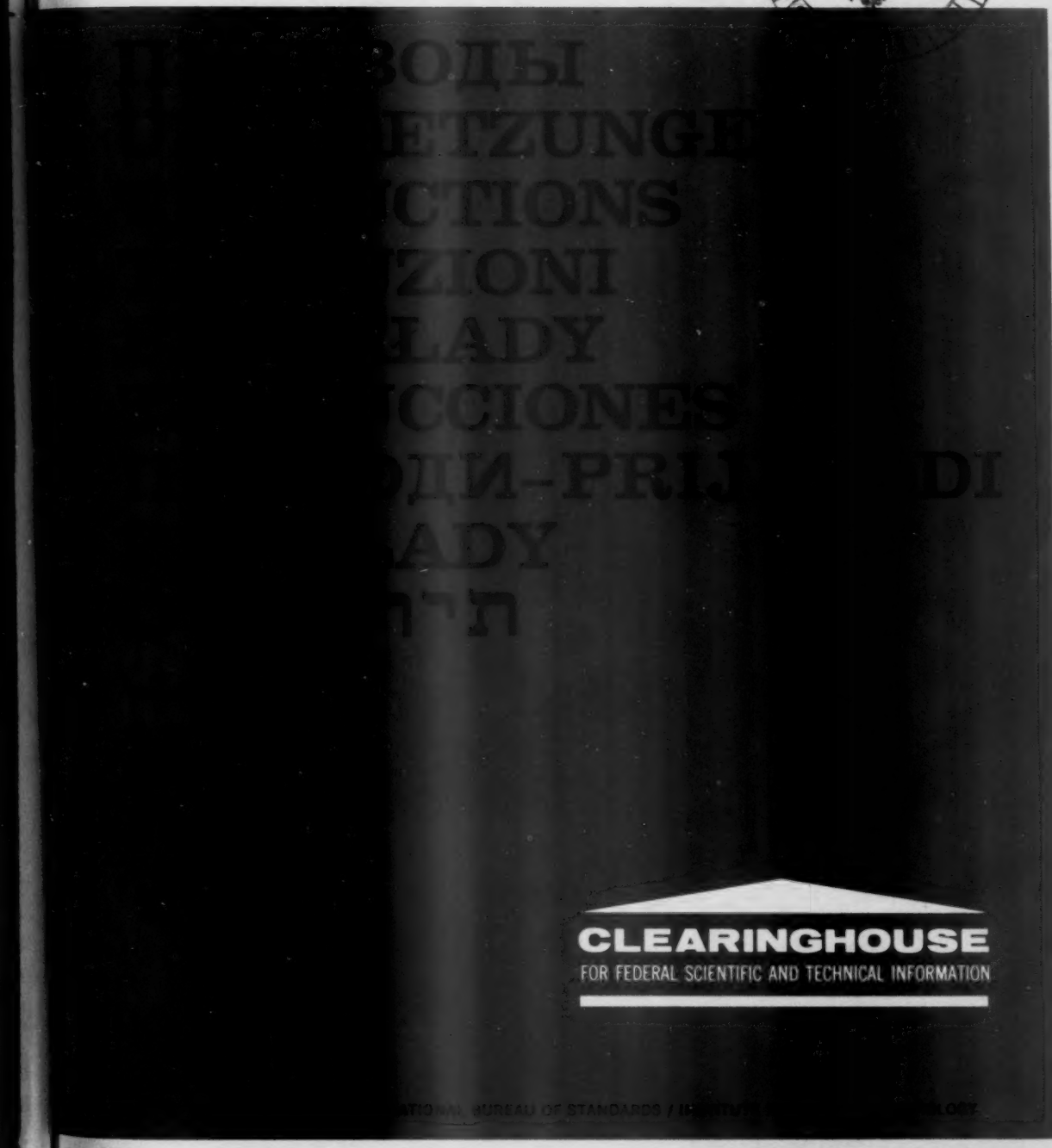

CLEARINGHOUSE
FOR FEDERAL SCIENTIFIC AND TECHNICAL INFORMATION

NATIONAL BUREAU OF STANDARDS / INSTITUTE

May 15, 1967 Volume 17, Number 9

TECHNICAL TRANSLATIONS

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FORMAT

This journal is separated into five sections:

(1) Bibliographic citations are divided into 22 major fields; they are further subdivided alphanumerically under 178 groups. References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

(2) Translations in Process lists titles of translations being prepared by government and private sources. All Special Foreign Currency Science Information (SFCSI) Program translations are listed (formerly PL 480 Program).

(3) Translated or Abstracted Publications lists titles of approximately 190 technical and scientific periodicals regularly translated into English. Included is a cross reference by English title.

(4) Translated Tables of Contents of recent issues of monographs, journals, and journal sections; they are preceded by a list of the English titles of the publications from which they are taken.

(5) Indexes: three indexes are arranged by author, journal and number.

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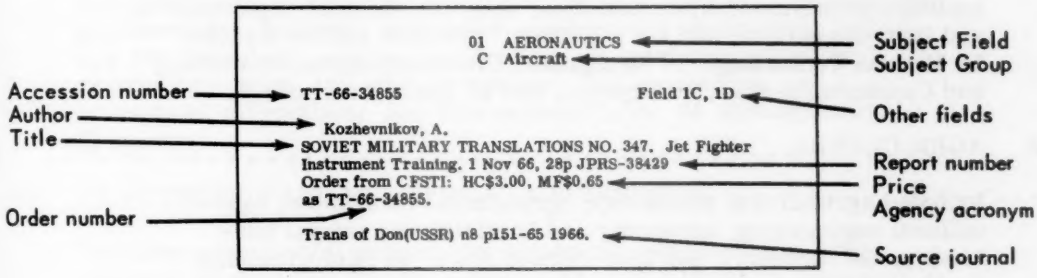

• TRANSLATIONS IN PROCESS

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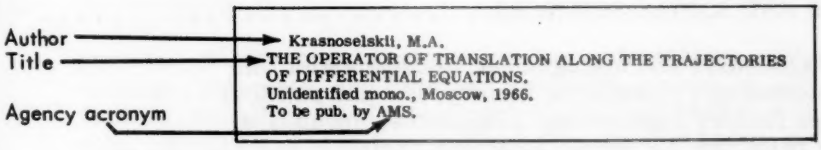
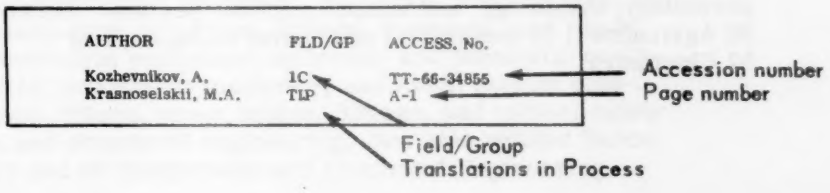


• INDEX ENTRIES

Index entries provide the location of the document announcement in the journal by supplying either the *accession number and Field/Group*, or in the case of "Translations in Process" the *page* on which the document is cited. The following example is taken from the Author Index; Journal and Number Indexes use the same system.



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Includes biochemistry; bioengineering; biology; bionics; clinical medicine; environmental biology; escape, rescue, and survival; food; hygiene and sanitation; industrial (occupational) medicine; life support; medical and hospital equipment and supplies; microbiology; personnel selection and maintenance (medical); pharmacology; physiology; protective equipment; radiobiology; stress physiology; toxicology; and weapon effects. See also related fields: 02 Agriculture, 05 Behavioral and Social Sciences, and 07 Chemistry.

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Includes air conditioning, heating, lighting, and ventilating; civil engineering; construction equipment, materials, and supplies; containers and packaging; couplings, fittings, fasteners, and joints; ground transportation equipment; hydraulic and pneumatic equipment; industrial processes; machinery and tools; marine engineering; pumps, filters, pipes, tubing, fittings, and valves; safety engineering; and structural engineering. See also related fields: 07 Chemistry and 09 Electronics and Electrical Engineering.

14 METHODS AND EQUIPMENT 45

Includes cost effectiveness; laboratories, test facilities, and test equipment; recording devices; reliability; and reprography.

15 MILITARY SCIENCES 45

Includes antisubmarine warfare; chemical, biological, and radiological warfare; defense; intelligence; logistics; nuclear warfare; nd operations, strategy, and tactics. See also related fields: 16 Missile Technology and 17 Navigation, Communications, Detection and Countermeasures.

16 MISSILE TECHNOLOGY . . . . . No Entries

Includes missile launching and ground support; missile trajectories; missile warheads and fuzes; and missiles. See also related fields: 01 Aeronautics, 17 Navigation, Communications, Detection, and Countermeasures, 19 Ordnance, 21 Propulsion and Fuels, and 22 Space Technology.

17 NAVIGATION, COMMUNICATIONS, DETECTION, AND COUNTERMEASURES 46

Includes acoustic detection; communications; direction finding; electromagnetic and acoustic countermeasures; infrared and ultraviolet detection; magnetic detection; navigation and guidance; optical detection; radar detection; and seismic detection. See also related fields: 09 Electronics and Electrical Engineering and 20 Physics.

18 NUCLEAR SCIENCE AND TECHNOLOGY 47

Includes fusion devices (thermonuclear); isotopes; nuclear explosions; nuclear instrumentation; nuclear power plants; radiation shielding and protection; radioactive wastes and fission products; radioactivity; reactor engineering and operation; reactor materials; reactor physics; reactors (power); reactors (non-power); and SNAP technology. See also related fields: 07 Chemistry, 15 Military Sciences, 18 Nuclear Science and Technology, 20 Physics, and 21 Propulsion and Fuels.

19 ORDNANCE . . . . . No Entries

Includes ammunition, explosives; bombs; combat vehicles; explosions, ballistics, and armor; fire control and bombing systems; guns; rockets; and underwater ordnance. See also related field: 18 Nuclear Science and Technology.

20 PHYSICS 47

Includes acoustics, crystallography; electricity and magnetism; fluid mechanics; masers and lasers; optics; particle accelerators; particle physics; plasma physics; quantum theory; solid-mechanics; solid-state physics; thermodynamics and wave propagation. See also related fields: 03 Astronomy and Astrophysics, 07 Chemistry, 09 Electronics and Electrical Engineering, 10 Energy Conversion (Non-propulsive), 11 Materials, 13 Mechanical, Industrial, Civil, and Marine Engineering, and 17 Navigation, Communications, Detection, and Countermeasures.

21 PROPULSION AND FUELS 54

Includes air-breathing engines; combustion and ignition; electric propulsion; fuels; jet and gas turbine engines; nuclear propulsion; reciprocating engines; rocket motors and engines; and rocket propellants. See also related fields: 07 Chemistry and 20 Physics.

22 SPACE TECHNOLOGY ..... No Entries

Includes astronautics; spacecraft; spacecraft trajectories and reentry; and spacecraft launch vehicles and ground support. See also related fields: 01 Aeronautics, 03 Astronomy and Astrophysics, 16 Missile Technology, 17 Navigation, Communications, Detection, and Countermeasures, and 21 Propulsion and Fuels.

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TECHNICAL TRANSLATIONS

01 AERONAUTICS

TT-67-30937 Field 1-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 78. 17 Mar 67, 27p. JPRS-40292.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30937

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n3 31p; n1 32p 1960.

TT-67-31040 Field 1-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 79. 24 Mar 67, 46p. JPRS-40395.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31040

Abstract trans. of Hang K'ung Chih Shih (Chinese People's Republic) n4 32p; n5 32p; n6 32p 1960.

A. Aerodynamics

TT-67-61299 Field 1A

Shvets, A. I.
THREE DIMENSIONAL FLOW AROUND BLUNT CONES. 1967. 6p, 7refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61299

Trans. of Moscow Univ. Vestnik. Seriya 1: Matematika, Mekhanika (USSR) n6 p85-9 1966.

TT-67-61300 Field 1A

Dushin, V. K.
APPLICATION OF THE METHOD OF CHARACTERISTICS TO COMPUTE SUPERSONIC EXTERNAL GAS FLOWS IN THE PRESENCE OF NONEQUILIBRIUM PROCESSES. 1967, 6p, 7refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61300

Trans. of mono. Chisl Methody Resheniya Zadach Matem. Fiz., n.p., 1966 p194-8.

TT-67-61301 Field 1A

Sayapin, G. N.
INVESTIGATION OF THE SINGULARITIES OF HYPERSONIC NONEQUILIBRIUM GAS FLOW AROUND BLUNT BODIES. 1967, 3p, 5refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61301

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika Zhidkosti i Gaza, n6 p115-6 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61314 Field 1A, 20M

Yudaev, B. N.; Fedotov, E. I.
HEAT EXCHANGE OF A CYLINDER IN A HIGH TEMPERATURE AND HIGH SPEED GAS FLOW. 1967, 3p.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61314

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinostroenie (USSR) n11 p73-5 1966.

TT-67-61315 Field 1A

Izmailov, A. A.
ON THE STABILITY OF A WEDGE-SHAPED PLATE IN A SUPERSONIC FLOW. 1967, 7p, 5refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61315

Trans. of Moscow Univ. Vestnik. Seriya 1: Matematika, Mekhanika (USSR) n1 p103-10 1967.

TT-67-61316 Field 1A, 20K

Kotyukov, V. G.
ON THE QUESTION OF NONLINEAR PLATE FLUTTER. 1967, 5p, 7refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61316

Trans. of Moscow Univ. Vestnik. Seriya: Matematika, Mekhanika (USSR) n1 p89-93 1967.

B. Aeronautics

TT-67-30945 Field 1B, 13B, 13H, 13M

USSR SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 37. 150p. JPRS-40300.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30945

C. Aircraft

TT-67-61327 Field 1C, 11F, 20K

Borodin, N. A.; Gyatsintov, E. V.; Stepnor, M. N.
AVIATION TECHNOLOGICAL INSTITUTE, MOSCOW, VOL. 51 1961: COLLECTION OF ARTICLES (Issledovaniya Ustalosti i Dlitelnoi Staticheskoi Prochnosti Alyuminievykh Splavov). 13 Feb 67, 82p, refs. FTD-MT-64-91; AD-648 887.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 887

Edited machine trans. of Aviatsionnyi Tekhnologicheskii Institut, Moscow. Trudy (USSR) v51 100p 1961.

D. Aircraft flight control and instrumentation

TT-67-61330 Field 1D

Piontkovskii, L. A.
STUDY OF A COMPOSITE AUTOMATIC FLIGHT CONTROL SYSTEM BY THE METHODS OF THE

THEORY OF INVARIANCE (Svyazannogo Avtomaticheskogo Regulirovaniya Poletom Samoleta Metodami Teorii Invaryantnosti). 20 Dec 66, 21p, 8refs.
FTD-TT-65-1962; AD-648 891.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 891

Edited trans. of mono. Teoriya Invaryantnosti v Sistemakh Avtomaticheskogo Upravleniya, Moscow, 1964 p270-82, also pub. as Vsesoyuznoe Soveschanie po Teorii Invaryantnost i Ee Primeneniyu v Avtomaticheskikh Sistemakh (no. 2) Kiev, 29 May-1 Jun 62. Trudy, Moscow, 1964 p270-82.
Theory of Non-Variants in Automatic Control Systems. Transactions of the All-Union Council on the Theory of Non-Variance and its Application to Automatic Systems (no. 2) Kiev, 29 May-1 Jun 62.

02 AGRICULTURE

A. Agricultural chemistry

NCH-207 751 Field 2A

Ch'en J. Y.; Yang, H. C.
A SIMPLIFIED METHOD OF PREPARING MALATHION. 1966, 3p. ATS-49T98CH.
Order from ATS: $6.50 as ATS-49T98CH

Trans. of Hua Hsueh Shih Chieh (Chinese People's Republic) v13 p390 1958.

B. Agricultural economics

TT-67-30839 Field 2B, 2D

Petrov, G.; Wyszomirski, T.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 525.
9 Mar 67, 19p. JPRS-40193.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30839

Trans. from Rabotnichesko Delo (Bulgaria) 12 Feb p4 1967 and of Nowe Rolnictwo (Poland) n2 p4-8 1967.

TT-67-30843 Field 2B, 5C

Minh Chuong; Khanh Nam.
NORTH VIETNAM: TRANSLATIONS NO. 120.
9 Mar 67, 22p. JPRS-40197.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30843

Trans. from Nhan Dan (North Vietnam) 5 Feb p1, 3, 4; 5 Feb p2 1967 and of Nghien Cuu Lich Su (North Vietnam) n94 p63-4 1967.

TT-67-30884 Field 2B, 15C

NORTH VIETNAM: TRANSLATIONS NO. 123.
13 Mar 67, 14p. JPRS-40238.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30884

Trans. from Nhan Dan (North Vietnam) n4685 p1, 4 4 Feb; 5 Feb p2; n4690 p2 1967.

TT-67-30943 Field 2B, 2D

Paunovic, S. A.; Giosan, N.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 527.
17 Mar 67, 26p. JPRS-40298.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30943

Trans. of Poljoprivreda (Yugoslavia) v14 n12 p49-52 1966 and Lupta de Clasa (Rumania) v47 n1 p16-30 1967.

TT-67-30952 Field 2B

Vaklinov, V.; Doering, H.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 528.
20 Mar 67, 28p, 10refs. JPRS-40307.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30952

Trans. of Khranitelna Promishlenost (Bulgaria) v15 n10 3p 1966 and Zeitschrift fuer Agrarokonomik (East Germany) v10 n2 p62-6 1967.

TT-67-30962 Field 2B

Nemeti, L.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 529.
20 Mar 67, 17p. JPRS-40317.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30962

Trans. of Tarsadalmi Szemle (Hungary) n2 p39-47 1967 and Revista Gospodariilor Agricole de Stat (Rumania) v19 n1 2p 1967.

TT-67-30979 Field 2B

Hunek, T.; Goraj, L.; Pietrewiczowa, M.; Pietrewicz, M.; Ceausescu, F.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 530.
22 Mar 67, 39p. JPRS-40334.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30979

Trans. of Wies Wspolczesna (Poland) n2 p12-20, 85-91, 42-52 1967 and Scinteia (Rumania) v36 n7250 p3 1967.

TT-67-31021 Field 2B, 2F, 6H

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 531.
23 Mar 67, 17p. JPRS-40376.
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27 Mar 67, 27p. JPRS-40415.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31060

TT-67-31096 Field 2B, 4B, 2D

Krumbiegel, D.; Grahovac, P.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 533. 29 Mar 67, 36p. JPRS-40451.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31096

Trans. of Feldwirtschaft (East Germany) n3 p167-8 1967 and Ekonomski Pregled (Yugoslavia) n11/12 p701-26 1966.

C. Agricultural engineering

TT-67-27708 Field 2C

Trusov, Yu.
MECHANIZATION ON AN INTENSIVE POULTRY FARM. CE-Trans-3104.
Order from CEGB as CEGB-CE.Trans.3104

Trans. of Tekhnika v Selskom Khozyaistve (USSR) v22 n7 p32-5 1962.

TT-67-30883 Field 2C, 2E, 2D

Michalski, M.; Giosan, N.; Popescu, B.
EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 526. 13 Mar 67, 21p. JPRS-40237.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30883

Trans. of Mechanizacja Rolnictwa (Poland) n2 p15-7 1967 and from Scientela (Rumania) n7260 p1, 2 22 Feb 1967; n7262 p1, 3 24 Feb 1967.

TT-67-30949 Field 2C, 2A, 2D

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: AGRICULTURAL SCIENCES AND TECHNOLOGY NO. 47. 20 Mar 67, 12p. JPRS-40304.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30949

Abstract trans of Nung Yeh Chi Hsieh Hua (Chinese People's Republic) n10 31p 1966 and Chi Lin Nung Yeh K'o Hsueh (Chinese People's Republic) n4 70p 1966.

E. Animal husbandry

NCH-207 606 Field 2E

Mlinac, F.
PASTEURELLA MULTOCIDA CAUSING SEPTICAEMIA IN COYPU. 28 Nov 66, 5p. TC-2532.
Order from TC: $4.50 as TC-2532

Trans. of Veternarski Arhiv (Yugoslavia) v31 p5/6 p149-50 1961.

F. Forestry

NCH-207 105 Field 2F, 9B

Wolff, G.
AUTOMATIC CARD PUNCHING IN FORESTRY DATA PROCESSING (Zur Automatisierung der Lochkartenherstellung bei Forstlichen Datenaufbereitungen). 1966, 28p, 18refs. ODF-tr-72; NRC-C-6296.
Order from NRC as C-6296

Trans. of Archiv fuer Forstwesen (East Germany) v14 n1 p79-103 1965.

NCH-207 106 Field 2F, 6C

Vorobeva, Yu. V.
MICROBIOLOGICAL METHODS OF CONTROLLING ROTTING IN GERMINATING SEEDS AND WILTING AND DAMPING-OFF IN SCOTCH PINE SEEDLINGS (Mikrobiologicheskie Metody Borby s Zagnivaniem Prorostkov, Uvyadaniem i Poleganiem Seyantsev Sosny). 1966, 30p, refs. ODF-tr-62; NRC-C-6295.
Order from NRC as C-6295

Trans. of Sbornik Rabot po Lesnomu Khozyaistvu (USSR) v37 p123-42 1958.

NCH-207 115 Field 2F

Roth, C.
MAPPING OF SITES AS THE BASIS OF SILVICULTURAL PLANNING (Die Standortskartierung als Grundlage der Waldbaulichen Planung). 1966, 20p. ODF-tr-64; NRC-C-6290.
Order from NRC as C-6290

Trans. of Schweizerische Zeitschrift fuer das Forstwesen, v8 p301-13 1966.

NCH-207 122 Field 2F, 6C, 6F

Nilsson, P. O.
ATTACK BY ROT AFTER DAMAGE TO THE ROOT SYSTEM IN A SPRUCE STAND (Rotangrepp Efter Skador pa Rotsystemet i Granbestand). 1966, 4p. ODF-tr-52; NRC-C-6146.
Order from NRC as C-6146

Trans. of Skogen (Sweden) v52 n20 p394 1965.

NCH-207 125 Field 2F, 6F

Mosin, V. I.
TREATMENT OF SEEDS OF THE COMMON PINE TREE WITH FUNGICIDES (Protravlivanie Semyan Sosny Obyknovennoi Fungitsidani). 1966, 8p, refs. ODF-tr-60; NRC-C-6235.
Order from NRC as C-6235

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Lesnoi Zhurnal (USSR) v7 n5 p45-8 1964.

NCH-207 134 Field 2F

Gradi, A.
MORE ON THE PROBLEM OF MECHANIZING SYLVAN SEEDS COLLECTION (Ancora sul Prolema della Mecanizzazione della Raccolta dei Semi Forestali). 1966, 14p, refs. ODF-tr-69; NRC-C-6272.
Order from NRC as C-6272

Trans. of Monti e Boschi (Italy) v16 n3 p21-30.

NCH-207 137 Field 2F, 6C

Eklund, B.
ON THE EFFECT OF THE DAMAGE CAUSED BY THE EUROPEAN PINE SAW-FLY AS MEASURED BY THE DIAMETER GROWTH OF PINE AT BREAST-HEIGHT (Om Aterverkningarna av den Roda Tallstekelns Skadegorelse pa Tallens Diametertillvaxt Brosthojd). 1966, 14p, refs. ODF-tr-65; NRC-C-6269.
Order from NRC as C-6269

Trans. of Norrlands Skogvardsforbunds. Tidskrift (Sweden) p205-18 1964.

Field 02 - AGRICULTURE

TT-67-31081 Field 2F, 2B

EAST EUROPEAN AGRICULTURE, FORESTRY, AND FOOD INDUSTRIES: TRANSLATIONS NO. 532. 28 Mar 67, 24p. JPRS-40436.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31081

TT-67-61086 Field 2F, 5I

Oudin, M.*
THE NATIONAL WATERS AND FORESTS SCHOOL AND THE DEVELOPMENT OF FRENCH FORESTRY EDUCATION. Nov 66, 19p. FS-Trans-551.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61086

Trans. of Unidentified French mono., n.p., n.d.

TT-67-61090 Field 2F, 5I

Reneuve, P.
THE NATIONAL WATERS AND FORESTS SCHOOL IN NANCY. Nov 66, 11p. FS-Trans-553.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61090

Trans. of Unidentified French mono., n.p., n.d.

TT-67-61091 Field 2F, 5I

GENERAL INFORMATION FOR FOREIGN STUDENTS ON THE NATIONAL WATERS AND FORESTS SCHOOL. Nov 66, 9p. FS-Trans-552.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61091

Trans. of Unidentified French mono., n.p., n.d.

03 ASTRONOMY AND ASTROPHYSICS

A. Astronomy

NCH-207 750 Field 3A

Arcidiacono, G.
KINEMATIC RELATIVITY AND "PROJECTIVE" COSMOLOGY. 10 Feb 67, 12p. ATS-36T971.
Order from ATS: $3.80 as ATS-36T971

Trans. of Collectanea Mathematica (Spain) v17 n2 p179-96 1965.

TT-67-30947 Field 3A, 4B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 96. 20 Mar 67, 24p. JPRS-40302.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30947

Abstract trans. of Tien Wen Hsueh Pao (Chinese People's Republic) v10 n1 100p 1962 and Ch'i Hsiang Hsueh Pao (Chinese People's Republic) v33 n2 p281-410 1963.

B. Astrophysics

NCH-207 110 Field 3B

Takeuchi, H.; Mizutani, H.
SIZE OF LUNAR CRATERS AND THE CHRONOLOGY OF THE MOON. Tr. by E. R. Hope. Nov 66, 3p, refs. DSIS-T-92-J; NRC-C-6293.
Order from NRC as C-6293

Trans. of Kagaku (Japan) v36 n7 p392-3 1966.

04 ATMOSPHERIC SCIENCES

A. Atmospheric physics

TT-66-60535 Field 4A

Borisenkov, E. P.
ENERGY TRANSFORMATION IN THE ATMOSPHERE OF THE NORTHERN AND SOUTHERN HEMISPHERES AND INTERACTION OF PROCESSES IN BOTH HEMISPHERES. Dec 65, 15p, refs. NASA-TT-F-396; N66-12257.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as N66-12257

Trans. of Meterologicheskie Issledovaniya (USSR) n9 p5-13 1965.

B. Meteorology

TT-67-31104 Field 4B, 17I

Stepanenko, V. D.
RADAR IN METEOROLOGY. 29 Mar 67, 177p. JPRS-40459.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31104

Trans. of mono. Radiolokatsiya v Meteorologii, Leningrad, 1966 351p.

TT-67-61333 Field 4B, 17B, 17I

Lee Chi'seng.
THE PRESENT STATE OF RADIOMETEOROLOGY. 20 Dec 66, 27p, 15refs. FTD-HT-66-40; AD-649 034.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 034

Unedited rough draft trans. of K'o Hsueh T'ung Pao (Chinese People's Republic) n6 p501-9 1964.

05 BEHAVIORAL AND SOCIAL SCIENCES

A. Administration and management

TT-66-28505 Field 5A

Vezlomtsev, V. I.
AN IMPROVED METHOD FOR ANALYSING THE ECONOMIC EFFICIENCY OF PRODUCTION. 5p.

Order from Pargas

Trans. of Tsement (USSR) v32 n3 p8 1966.

TT-67-30849 Field 5A, 5C

LEADING SOVIET ENGINEERS REPLY TO QUESTIONS ON THE ROLE OF THEIR SPECIALTIES IN SCIENTIFIC AND ECONOMIC DEVELOPMENT. 9 Mar 67, 14p. JPRS-40203.
Order from CFSTI or ETC: HC$3.00, HC$0.65 as TT-67-30849

Trans. of Nauchno-Tekhnicheskie Obshchestva SSSR, n10 p8, 11, 17, 29, 39; n12 p9, 15, 20 1966.

TT-67-30958 Field 5A

DECREES ON BULGARIAN SCIENTIFIC ORGANIZATIONS OPERATING UNDER THEIR OWN ACCOUNTING SYSTEMS. 20 Mar 67, 20p. JPRS-40313.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30958

Trans. from Durzhaven Vestnik (Bulgaria) n12 p1-3; n14 p1-3 1967.

TT-67-31056 Field 5A

VESTNIK OF THE USSR ACADEMY OF SCIENCES, VOL. 37, NO. 1, 1967. 27 Mar 67, 206p, refs. JPRS-40411.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31056

Trans. of Akademiya Nauk SSSR. Vestnik, v37 n1 150p 1967.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

B. Documentation and information technology

TT-67-30592 Field 5B

Gerst, B.
LENINGRAD INFORMATION BUREAU CHIEF STRESSES VALUE OF SUCH SERVICES FOR USSR TECHNICAL PROGRESS. 17 Feb 67, 8p. JPRS-39944.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30592

Trans. from Pravda, Leningrad (USSR) 4 Jan p2 1967.

TT-67-30990 Field 5B, 5C, 5K

NORTH VIETNAM: TRANSLATIONS NO. 131. 22 Mar 67, 17p. JPRS-40345.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30990

TT-67-31025 Field 5B, 5C, 5K

NORTH VIETNAM: TRANSLATIONS NO. 134. 24 Mar 67, 23p. JPRS-40380.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31025

C. Economics

TT-67-30503 Field 5C

Radonjic, M.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 499. Yugoslavia's Need for Further Investments in Tourism. 9 Feb 67, 11p. JPRS-39855.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30503

Trans. of Jugoslovenska Investiciona Banka. Vestnik, n118 p7-10 1966.

TT-67-30638 Field 5C

Jamyan, B.; Ochirjantsan, Ts.
MONGOLIA: TRANSLATIONS NO. 126. 21 Feb 67. 10p. JPRS-39991.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30638

Trans. from Hodolmor (USSR) 10 Sep p2, 3; 13 Sep p2 1966.

TT-67-30890 Field 5C

Volodikhin, V.; Fonarev, E.
USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 172. 13 Mar 67, 22p. JPRS-40244.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30890

Trans. of Finansy SSSR, n7 p80-3 1966; n1 p21-7 1967.

TT-67-30895 Field 5C, 5A

Yankov, N.; Ciuruleanu, R.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 669. 13 Mar 67, 11p. JPRS-40249.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30895

Trans. of Ikonomicheski Zhivot (Bulgaria) n5 p11 1967 and from Gazeta Finantelor (Rumania) n707 p1, 5 1967.

TT-67-30911 Field 5C

NEAR EAST: TRANSLATIONS NO. 78. The Black Market in the UAR. 15 Mar 67, 25p. JPRS-40265.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30911

Trans. of al Taliah (Egypt) Feb p19-44 1967.

TT-67-30914 Field 5C

SOUTH AND EAST ASIA: TRANSLATIONS NO. 148. 15 Mar 67, 22p. JPRS-40268.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30914

Trans. from Akahata (Japan) n5834 p5 14 Dec 1966.

TT-67-30927 Field 5C, 5D

Karamyshev, V.
SOVIET HISTORIAN CLAIMS MAO TSE-TUNG'S

ANTI-ECONOMISM CAMPAIGN IDEALIZES POVERTY IN CHINA. 16 Mar 67, 8p. JPRS-40281.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30927

Trans. from Sovetskaya Rossiya (USSR) 25 Feb p4 1967.

TT-67-30930 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 173. 16 Mar 67, 34p. JPRS-40284.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30930

TT-67-30933 Field 5C

USSR INTERNATIONAL ECONOMIC RELATIONS NO. 88. 16 Mar 67, 12p. JPRS-40287.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30933

Trans. of Mezhdunarodnyi Selskokhozyaistvennyi Zhurnal (Bulgaria) n1 p3 1967 and Bukhgalterskii Uchet (USSR) n12 p66-7 1966.

TT-67-30957 Field 5C, 5A

Markovic, B.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 670. Trends of the Yugoslav Economy in the First Year of the Reform. 20 Mar 67, 25p. 1ref. JPRS-40312.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30957

Trans. of Jugoslovenski Pregled, n10 p369-76 1966.

TT-67-30964 Field 5C, 2B, 5D

CUBA: TRANSLATIONS NO. 568. 20 Mar 67, 58p. JPRS-40319.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30964

TT-67-30965 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 671. 20 Mar 67, 88p. JPRS-40320.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30965

Trans. of Hospodarske Noviny (Czechoslovakia) n7 14p 1967 and Kozlekedesi Kozlony (Hungary) 11 Dec p896-8 1966.

TT-67-30971 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 174. 22 Mar 67, 19p. JPRS-40326.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30971

TT-67-30975 Field 5C, 5D

CUBA: TRANSLATIONS NO. 569. 22 Mar 67, 31p. JPRS-40330.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30975

TT-67-30977 Field 5C

Kievskii, V.; Tsimmerman, Z.; Pyastunovich, S.; Pichugin, A.; Ruchev, A.
CONSTRUCTION INDUSTRY PLANS IMPROVEMENTS IN PRODUCTION AND TECHNOLOGY. 22 Mar 67, 32p. JPRS-40332.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30977

Trans. of Ekonomika Stroitelstva (USSR) n12 p5-12, 25-8, 33-7, 46-7 1966.

TT-67-30978 Field 5C

RECENT DEVELOPMENTS IN SOVIET STANDARDIZATION. 22 Mar 67, 66p. JPRS-40333.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30978

Trans. of Standarty i Kachestvo (USSR) n1 4p 1964; n1 p4-6; n4 p2-4; n5 4p; n6 p5-11; n11 3p; n12 2p 1966 and Standartizatsiya (USSR) n11 3p; n12 4p 1965.

TT-67-30986 Field 5C, 5K

AFRICA: TRANSLATIONS NO. 519. 22 Mar 67, 25p. JPRS-40341.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30986

TT-67-31001 Field 5C

Radwan, W.; Cerovic, D.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 326. 23 Mar 67, 18p, refs. JPRS-40356.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31001

Trans. of Zycie Gospodarcze (Poland) n10 p9 1967 and Jugoslovenski Pregled (Yugoslavia) n10 p385-6 1966.

TT-67-31003 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 672. 23 Mar 67, 22p. JPRS-40358.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31003

TT-67-31004 Field 5C, 5D, 5K

NORTH VIETNAM: TRANSLATIONS NO. 132. Articles from Tuyen Huan. 23 Mar 67, 72p. JPRS-40359.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31004

TT-67-31007 Field 5C, 17G, 5I, 2B

NORTH VIETNAM: TRANSLATIONS NO. 133. 23 Mar 67, 29p. JPRS-40362.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31007

TT-67-31012 Field 5C, 13H

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 98. 23 Mar 67, 23p. JPRS-40367.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31012

TT-67-31023 Field 5C, 5A

Bognar, J.
ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 673. The New System and Concept of Foreign Trade. 24 Mar 67, 20p. JPRS-40378.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31023

Trans. of Kozgazdasagi Szemle (Hungary) n2 p155-67 1967.

TT-67-31024 Field 5C, 5D, 5K

THE NEAR EAST: TRANSLATIONS NO. 81. 24 Mar 67, 19p. JPRS-40379.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31024

TT-67-31029 Field 5C, 9E, 9C

Lukacher, V.; Filatov, Yu.
TWO ROBOTS. 24 Mar 67, 14p (figs omitted). JPRS-40384.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31029

Trans. of Tekhnika Molodezhi (USSR) n2 p3-4 1967.

TT-67-31031 Field 5C, 2B, 5D

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 508. Yugoslav Basic Law on Turnover of Goods. 24 Mar 67, 31p. JPRS-40386.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31031

Trans. of Sluzbeni List, Belgrade (Yugoslavia) n3 p11-9 1967.

TT-67-31033 Field 5C, 5D, 5K

NORTH VIETNAM: TRANSLATIONS NO. 135. 24 Mar 67, 38p. JPRS-40388.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31033

TT-67-31034 Field 5C, 5D, 5I

AFRICA: TRANSLATIONS NO. 522. 24 Mar 67, 29p. JPRS-40389.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31034

TT-67-31035 Field 5C, 17B, 13F

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 509. 24 Mar 67, 32p. JPRS-40390.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31035

TT-67-31043 Field 5C, 5A

ECONOMIC ORGANIZATION AND MANAGEMENT IN EASTERN EUROPE: TRANSLATIONS NO. 674. Yugoslav Resolution on the Bases of 1967 Economic Policy. 24 Mar 67, 23p. JPRS-40398.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31043

Trans. of Sluzbeni List, Belgrade (Yugoslavia) n3 7p 1967.

TT-67-31047 Field 5C

Bulic, A.
EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 345. 27 Mar 67, 24p. JPRS-40402.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31047

Trans. of Rudnichar (Bulgaria) n7 p1, 3 1967 and Problemi Spoljne Trgovine i Konjukture (Yugoslavia) n1 p37-41 1966.

TT-67-31048 Field 5C, 2B

Mikolajczyk, Z.; Pelevic, S.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 510. 27 Mar 67, 23p. JPRS-40403.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31048

Trans. of Zycie Gospodarcze (Poland) n10 7p 1967 and Jugoslavenski Pregled (Yugoslavia) n11 p413-6 1966.

TT-67-31050 Field 5C, 5D, 5I

CUBA: TRANSLATIONS NO. 572. 27 Mar 67, 107p. JPRS-40405.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31050

TT-67-31057 Field 5C

Chernyak, Yu. I.; Kiperman, G.; Klinskii, A.; Lagutin, N.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 99. 27 Mar 67, 33p. JPRS-40412.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31057

Trans. of Ekonomika i Matematicheskie Metody (USSR) n1 p47-60 1967 and Planovoe Khozyaistvo (USSR) n2 p72-9 1967.

TT-67-31059 Field 5C

USSR CONSUMER GOODS AND DOMESTIC TRADE: TRANSLATIONS NO. 175. 27 Mar 67, 24p. JPRS-40414.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31059

TT-67-31079 Field 5C

USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 100. 28 Mar 67, 64p, refs. JPRS-40434.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31079

Trans. of Finansy SSSR, n2 p3-7, 17-51 1967

TT-67-31083 Field 5C, 5A

Csikos-Nagy, B.; Stefan, C.; Boescu, V.; Tintea, L.
ECONOMIC ORGANIZATION AND MANAGEMENT IN

EASTERN EUROPE: TRANSLATIONS NO. 675. 28 Mar 67, 39p. JPRS-40438.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31083

Trans. of Penzugyi Szemle (Hungary) n1 14p 1967 and Viata Economica (Rumania) n9 p5-9 1967.

TT-67-31084 Field 5C

Liberman, Ya.; Khesin, Ya.
USSR ECONOMY AND INDUSTRY: GENERAL INFORMATION NO. 101. 28 Mar 67, 31p. JPRS-40439.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31084

Trans. of Planovoe Khozyaistvo (USSR) n2 p37-53 1967.

TT-67-31086 Field 5C

COMMUNIST CHINA: ECONOMIC TRANSLATIONS NO. 26. 28 Mar 67, 8p. JPRS-40441.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31086

TT-67-31087 Field 5C, 5K

AFRICA: TRANSLATIONS NO. 523. 28 Mar 67, 25p. JPRS-40442.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31087

TT-67-31097 Field 5C

Detesan, A.; Binenfeld, R.
EAST EUROPEAN FOREIGN TRADE: TRANSLATIONS NO. 327. 29 Mar 67, 17p. JPRS-40452.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31097

Trans. of Viata Economica (Rumania) n9 p6 1967 and Problemi Spoljne Trgovine i Konjukture (Yugoslavia) n1 p57-61 1966.

D. History, law and political science

TT-67-30565 Field 5D, 5C, 5K

LA STAMPA AND LA STAMPA SERA (30 JAN-5 FEB 67): INDEX NO. 353. 15 Feb 67, 12p. JPRS-39917.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30565

Index to contents of la Stampa (Italy) 30 Jan-5 Feb 1967 and la Stampa Sera (Italy) 30 Jan-5 Feb 1967.

TT-67-30822 Field 5D, 5C, 5K

LA STAMPA AND LA STAMPA SERA (20-26 Feb 67): INDEX NO. 356. 8 Mar 67, 12p. JPRS-40176.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30822

Index to contents of la Stampa (Italy) 20-26 Feb 1967 and la Stampa Sera (Italy) 20-26 Feb 1967.

TT-67-30827 Field 5D, 5A

HISTORY AND ACHIEVEMENTS OF THE BULGARIAN ACADEMY OF SCIENCES. 8 Mar 67, 7p. JPRS-40181.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30827

Trans. from Rabotnichesko Delo (Bulgaria) 6 Feb p2 1967.

TT-67-30869 Field 5D

Kim Sok-hyong.
NORTH KOREA: TRANSLATIONS NO. 40. Party Spirit and Historicism in Historical Research. 10 Mar 67, 18p. JPRS-40223.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30869

Trans. of Yoksa Kwahak (North Korea) n6 p1-7 1966.

TT-67-30896 Field 5D

Iliescu, V.; Done, T.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 255. 13 Mar 67, 16p. JPRS-40250.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30896

Trans. from Scinteia (Rumania) n7248 p1, 5 10 Feb 1967; 14 Feb p2 1967.

TT-67-30910 Field 5D

Kresic, A.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 256. Principles of Management in the League of Communists. 14 Mar 67, 14p. JPRS-40264.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30910

Trans. of Gledista (Yugoslavia) n1 p33-43 1967.

TT-67-30913 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (27-FEB-5 MAR 67); INDEX NO. 357. 15 Mar 67, 14p. JPRS-40267.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30913

Index to contents of la Stampa (Italy) 27 Feb-5 Mar 1967 and la Stampa Sera (Italy) 27 Feb-5 Mar 1967.

TT-67-30919 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 953. 15 Mar 67, 64p. JPRS-40273.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30919

TT-67-30920 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 384. 15 Mar 67, 54p. JPRS-40274.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30920

TT-67-30923 Field 5D

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 421. Yugoslavia Basic Law on Internal Affairs. 15 Mar 67, 24p. JPRS-40277.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30923

Trans. of Luzbeni List, Belgrade (Yugoslavia) n49 p949-55 1966.

TT-67-30925 Field 5D

Vu Dac; Nguyen Minh Phuong.
NORTH VIETNAM: TRANSLATIONS NO. 126. 15 Mar 67, 10p. JPRS-40279.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30925

Trans. from Quan Doi Nhan Dan (North Vietnam) 2 Feb p2; 3 Feb p2, 3 1967.

TT-67-30935 Field 5D

Vakhtin, B.
SOVIET JOURNALIST DESCRIBES VISIT TO COMMUNIST CHINA. 16 Mar 67, 12p. JPRS-40289.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30935

Trans. of Bolshevistskaya Pechat (USSR) n1 p66-71 1967.

TT-67-30940 Field 5D, 5C, 5K

NORTH VIETNAM: TRANSLATIONS NO. 127. 17 Mar 67, 90p. JPRS-40295.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30940

TT-67-30946 Field 5D

Kolevski, V.; Radoinov, P. M.
POLITICAL TRANSLATIONS ON EASTERN EUROPE NO. 257. 20 Mar 67, 23p. JPRS-40301.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30946

Trans. from Rabotnichesko Delo (Bulgaria) 26 Feb p3 1967 and of Sotsialistichesko Pravo (Bulgaria) n10 p10-7, 47-52 1966.

TT-67-30953 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 954. 20 Mar 67, 145p. JPRS-40308.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30953

TT-67-30961 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 515. 20 Mar 67, 29p. JPRS-40316.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30961

TT-67-30967 Field 5D

COMMUNIST, NO. 2, 1967. 22 Mar 67, 86p. JPRS-40322.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30967

Trans. of Kommunist, Moscow (USSR) n2 p3-13, 45-55, 73-84, 93-9, 117-21 1967.

TT-67-30968 Field 5D, 5C, 5I

LE MONDE (1-31 JAN 67): INDEX NO. 81. 22 Mar 67, 42p. JPRS-40323.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30968

Index to contents of le Monde (France) 1-31 Jan 1967.

TT-67-30969 Field 5D, 5C

NEAR EAST: TRANSLATIONS NO. 79. 22 Mar 67, 47p. JPRS-40324.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30969

TT-67-30985 Field 5D, 5C, 2B

NORTH VIETNAM: TRANSLATIONS NO. 130. 22 Mar 67, 24p. JPRS-40340.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30985

TT-67-30987 Field 5D, 5C, 2B

AFRICA: TRANSLATIONS NO. 520. 22 Mar 67, 28p. JPRS-40342.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30987

TT-67-30991 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 521. 22 Mar 67, 41p. JPRS-40346.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30991

TT-67-30992 Field 5D

NEAR EAST: TRANSLATIONS NO. 80. 22 Mar 67, 23p. JPRS-40347.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30992

TT-67-30993 Field 5D, 5I, 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 423. 22 Mar 67, 45p. JPRS-40348.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30993

TT-67-30994 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 385. Information from the Red Guard Press. 22 Mar 67, 86p. JPRS-40349.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30994

TT-67-31000 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 955. 22 Mar 67, 24p. JPRS-40355.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31000

TT-67-31008 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 956. 23 Mar 67, 108p. JPRS-40363.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31008

TT-67-31009 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 957. 23 Mar 67, 29p. JPRS-40364.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31009

TT-67-31011 Field 5D

CUBA: TRANSLATIONS NO. 570. 23 Mar 67, 20p. JPRS-40366.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31011

TT-67-31032 Field 5D, 5K

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 386. 24 Mar 67, 35p. JPRS-40387.
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as TT-67-31032

TT-67-31036 Field 5D, 5K

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 387. 24 Mar 67, 38p. JPRS-40391.
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TT-67-31037 Field 5D, 5C, 5K

NORTH VIETNAM: TRANSLATIONS NO. 136. 24 Mar 67, 26p. JPRS-40392.
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TT-67-31041 Field 5D, 5K

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL TRANSLATIONS NO. 388. 24 Mar 67, 22p. JPRS-40396.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31041

TT-67-31042 Field 5D, 5C

CUBA: TRANSLATIONS NO. 571. 24 Mar 67, 25p. JPRS-40397.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31042

TT-67-31051 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (6-12 MAR 67): INDEX NO. 358. 27 Mar 67, 11p. JPRS-40406.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31051

Index to contents of la Stampa (Italy) 6-12 Mar 1967 and la Stampa Sera (Italy) 6-12 Mar 1967.

TT-67-31058 Field 5D

INTERNATIONAL COMMUNIST DEVELOPMENTS: TRANSLATIONS NO. 958. 27 Mar 67, 66p. JPRS-40413.
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as TT-67-31058

TT-67-31076 Field 5D, 5C

NEAR EAST TRANSLATIONS NO. 82. 28 Mar 67, 49p. JPRS-40431.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31076

TT-67-31085 Field 5D

COMMUNIST CHINA: POLITICAL AND SOCIOLOGICAL: TRANSLATIONS NO. 389. Information from the Red Guard Press. 28 Mar 67, 25p. JPRS-40440.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31085

TT-67-31088 Field 5D

AFRICA: TRANSLATIONS NO. 524. Documents of the Congo (Kinshasa) - National Liberation Council. 28 Mar 67, 42p. JPRS-40443.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31088

TT-67-31092 Field 5D, 5C

AFRICA: TRANSLATIONS NO. 525. 28 Mar 67, 66p. JPRS-40447.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31092

TT-67-31093 Field 5D, 5C

LA STAMPA AND LA STAMPA SERA (13-19 MAR 67): INDEX NO. 359. 28 Mar 67, 13p. JPRS-40448.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31093

Index to contents of la Stampa (Italy) 13-19 Mar 1967 and la Stampa Sera (Italy) 13-19 Mar 1967.

TT-67-31102 Field 5D

AFRICA: TRANSLATIONS NO. 526. 19 Mar 67, 33p. JPRS-40457.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31102

TT-67-31103 Field 5D, 5C, 5I

NEAR EAST: TRANSLATIONS NO. 83. 29 Mar 67, 44p. JPRS-40458.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31103

F. Humanities

TT-66-35538 Field 5F

Kochetov, A. N.
BUDDHISM: A SOVIET VIEW. 14 Dec 66, 224p. JPRS-39115.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-66-35538

Trans. of mono. Buddizm, Moscow, 1965 199p.

TT-67-30508 Field 5F, 5D

Al-Munajjid, S.
THE BOLSHEVIZATION OF ISLAM. 10 Feb 67, 33p, refs. JPRS-39860.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30508

Trans. of mono. Balshafat al-Islam, Beirut, 1966 110p.

TT-67-30966 Field 5F, 5D, 5C, 5A

AFRICA: TRANSLATIONS NO. 517. 20 Mar 67, 72p. JPRS-40321.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30966

I. Personnel selection, training and evaluation

TT-67-30846 Field 5I, 13C, 13F

INDUSTRY AND UNIVERSITIES STRENGTHEN COLLABORATION. 9 Mar 67, 14p. JPRS-40200.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30846

Trans. of Vestnik Vysshei Shkoly (USSR) v24 n12 p3-6, 11-3 1966.

TT-67-30928 Field 5I

USSR LABOR: TRANSLATIONS NO. 166. 16 Mar 67, 63p. JPRS-40282.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30928

TT-67-30963 Field 5I

AFRICA: TRANSLATIONS NO. 516. Report and Resolutions of Third Congress of Congo (Kinshasa) General Union of Students. 20 Mar 67, 50p. JPRS-40318.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30963

TT-67-31014 Field 5I

USSR LABOR: TRANSLATIONS NO. 167. 23 Mar 67, 43p. JPRS-40369.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31014

TT-67-31019 Field 5I

SOVIET EDUCATION: TRANSLATIONS NO. 66. 23 Mar 67, 14p. JPRS-40374.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31019

TT-67-31065 Field 5I

Shapiro, L.; Yusufovich, B.; Karpenko, I.
USSR LABOR: TRANSLATIONS NO. 168. 27 Mar 67, 15p. JPRS-40420.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31065

Trans. from Ekonomicheskaya Gazeta (USSR) Feb p23-6 1967.

J. Psychology (Individual and group behavior)

TT-67-61362 Field 5J

Piaget, J.
FUNDAMENTAL DIFFERENCES BETWEEN PERCEPTION AND INTELLIGENCE: SECT. 1. Tr. by H. Warfield. 1967, 31p. NIH-2-19-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61362

Trans. of mono. les Mecanismes Perceptifs, Paris, 1961 p355-85.

TT-67-61363 Field 5J

Meel, J. M. van; Sanders, C. H.
DISCRIMINATION OF LETTER-SHAPES BY CHILDREN WITH READING- AND WRITING-PROBLEMS. 1967, 16p, refs. NIH-3-7-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61363

Trans. of Nederlands Tijdschrift voor Psychologie en haar Grensgebieden, v21 n3 p194-210 1966.

K. Sociology

TT-67-30870 Field 5K

Pageard, R.
AFRICA: TRANSLATIONS NO. 511. Endogamy and Exogamy in Traditional Mossi Society in Upper Volta. 10 Mar 67, 37p. JPRS-40224.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30870

Trans. of Societe des Africanistes, Paris. Journal (France) v36 n1 p109-40 1966.

TT-67-30886 Field 5K

Bulgaru, M.
SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 420. Significance of Demographic Trends in 1966. 13 Mar 67, 10p. JPRS-40240.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30886

Trans. of Scinteia (Rumania) 14 Feb p1-2 1967.

TT-67-30942 Field 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 422.
17 Mar 67, 37p. JPRS-40297.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30942

TT-67-31020 Field 5K

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 424. 23 Mar 67, 16p. JPRS-40375.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31020

TT-67-31075 Field 5K, 15G

NORTH VIETNAM: TRANSLATIONS NO. 137. 28 Mar 67, 25p. JPRS-40430.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31075

06 BIOLOGICAL AND MEDICAL SCIENCES

TT-67-30939 Field 6-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 197. 17 Mar 67, 39p. JPRS-40294.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30939

Abstract trans. of Sheng Wu Hsueh T'ung Pao (Chinese People's Republic) n1 56p; n2 54p 1965 and Referativnyi Zhurnal.

TT-67-30954 Field 6-

USSR SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 37. 20 Mar 67, 50p. JPRS-40309.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30954

TT-67-30956 Field 6-

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 66. 20 Mar 67, 114p. JPRS-40311.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30956

A. Biochemistry

NCH-207 113 Field 6A

Shemyakin, M. M.
BIOORGANIC CHEMISTRY: ITS PRESENT STATUS AND FUTURE TRENDS (BAKH LECTURE) (Bioorganicheskaya Khimiya: Sovremennoe Sostoyanie i puti Razvitiya (Bakhovskoe Chtenie)). Tr. by G. Belkov, 1966, 12p. NRC-TT-1253; NRC-C-6070.
Order from NRC: $1.00 as C-6070

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, v30 n4 p473-80 1965.

NCH-207 607 Field 6A

Pette, D.; Brandau, H.
ENZYME HISTOGRAMS AND ENZYME ACTIVITY PATTERNS IN RAT LIVER. 28 Nov 66, 42p. TC-2533.
Order from TC: $26.00 as TC-2533

Trans. of Enzymologia Biologica et Clinica (Switzerland) v6 p79-122 1966.

NCH-207 760 Field 6A

Harada, A.
POLYSACCHARIDE FERMENTATION. 1966, 15p. ATS-19T98J.
Order from ATS: $26.75 as ATS-19T98J

Trans. of Hakko Kyokaishi (Japan) v23 n10 p440-8 1965.

TT-66-15469 Field 6A

Uggeri, E.; Langer, N.
CLINICAL METABOLIC RESEARCH WITH THE ANABOLIC STEROID "OXYMETOLONE". 6p (figs omitted).
Order from SLA: $1.10 as TT-66-15469

Trans. of Endocrinologia e Scienza della Costituzione (Italy) v27 n4 p215-27 1962.
Trans. of excerpts only.

TT-66-15515 Field 6A

Gibelli, C.; Gigante, D.
CONTRIBUTION TO THE STUDY OF PLANT INSULINOIDS. THE HYPOGLYCEMISCENT ACTION OF CERCIS SILIQUASTRUM IN RABBITS. 6p, 11refs.
Order from SLA: $1.10 as TT-66-15515

Trans. of Accademia Medica (Italy) Sep 1941.

TT-67-61339 Field 6A, 13F, 1B, 13J, 13B

Nyberg, P. R., comp.; Chin, F., comp.
PROTECTIVE STRUCTURES AND COMPONENTS. 9 Feb 67, 42p, 54refs. ATD-67-8; AD-649 006.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 006

Compilation of abstracts based on Satellite, Chicom, and Western open sources pub. 1964-67. Rept. on Surveys of Chinese Communist Scientific and Technical Literature.

B. Bioengineering

TT-67-31026 Field 6B, 9F

Baevskii, R. M.
PHYSIOLOGICAL MEASUREMENTS DURING SPACE TRAVEL. 24 Mar 67, 11p. JPRS-40381.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31026

Trans. of Priroda (USSR) n1 p68-72 1967.

C. Biology

NCH-206 799 Field 6C

Gambaryan, P.
TAXONOMIC ANALYSIS OF THE GENUS PINUS L (Taksonomicheskii Analiz Roda Pinus L). Oct 66, 9p, 9refs. RTS-3547.
Order from NLL: 15s as RTS-3547

Trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya, v18 n8 p75-81 1965.

NCH-207 111 Field 6C

Schwantes, H. O.; Hagemann, F.
INVESTIGATIONS ON THE FRUIT-BODY FORMATION IN LENTINUS TIGRIUNUS BULL (Untersuchungen zur Fruchtkoerperbildung bei Lentinus Tigrinus Bull). 1966, 28p, 27refs. ODF-tr-50; NRC-C-6249.
Order from NRC as C-6249

Trans. of Deutsche Botanische Gesellschaft. Berichte (West Germany) v78 n11 p89-101 1965.

NCH-207 112 Field 6C, 11L

Seifert, K.
THE CHEMICAL DECOMPOSITION OF THE BEECHWOOD CELLWALL BY THE WHITE-ROT FUNGUS POLYSTICTUS VERSICOLOR (LINN.) FR. (Chemischer Abbau der Buchenholz-Zellwand Durch den Weissfaeulepilz Polystictus Versicolor (Linn.) Fr.). 1966, 24p, 16refs. ODF-tr-54; NRC-C-6250.
Order from NRC as C-6250

Trans. of Holz als Roh- und Werkstoff (West Germany) v24 n3 p81-6 1966.

NCH-207 116 Field 6C, 2F

Ronchetti, G.
CHARACTERISTICS, SIGNIFICANCE AND UTILIZATION OF THE FORMICA RUFA GROUP IN LOMBARDY (NORTHERN ITALY) (Caratteristiche, Significato ed Utilizzazione Forestale delle Popolazioni del Gruppo Formica Rufa della Lombardia (Italia Settentrionale)). 1966, 78p. ODF-tr-66; NRC-C-6320.
Order from NRC as C-6320

Trans. of Societa Entomologica Italiana. Memorie, p58-86 1963.

NCH-207 117 Field 6C

Pestinskaya, T. V.
BIOLOGICAL FEATURES OF THE FUNGUS PYTHIUM DE BARYANUM HESSE, AND POSSIBLE WAYS OF SUPPRESSING IT IN SOIL (Osobennosti Biologii Griba Pythium de Baryanum Hesse i Vozomozhnye puti Podavleniya ego v Pochve). 1966, 12p, 4refs. ODF-tr-67; NRC-C-6285.
Order from NRC as C-6285

Trans. of Botanicheskii Zhurnal (USSR) v41 n4 p571-5 1956.

NCH-207 121 Field 6C

Oechssler, G.
STUDIES ON THE FEEDING DAMAGES OF CENTRAL-EUROPEAN FIR APHIDS IN THE TISSUE OF NATIVE AND EXOTIC FIR TREES (Studien Ueber die Saugschaeden Mittleluropaeischer Tannenlause im Gewebe Einheimischer und Auslaendischer Tannen). 1966, 116p, 80refs. ODF-tr-57; NRC-C-6316.
Order from NRC as C-6316

Trans. of Zeitschrift fuer Angewandte Entomologie (West Germany) v50 n4 p408-54 1962.

NCH-207 124 Field 6C, 6M

Mitsuhashi, J.
PRESENT STATE OF INSECT TISSUE CULTURE (Konchu Soshiki Baiyo no Genjo). 1966, 32p, refs. ODF-tr-53; NRC-C-6233.
Order from NRC as C-6233

Trans. of Shokubutsu Boeki (Japan) v18 n9 p359-66; n10 p419-22 1964.

NCH-207 139 Field 6C

Bueckmann, D.; Adelung, D.
THE EFFECT OF ENVIRONMENTAL FACTORS ON GROWTH AND MOULTING RHYTHM IN THE SHORE CRAB CARCINIDES MAENAS (Der Einfluss der Umweltfaktoren auf das Wachstum und den Haeutungsrhythmus der Strandkrabbe Carcinides Maenas). 1966, 25p. FBRC-Trans-738; NRC-C-6096.
Order from NRC as C-6096

Trans. of Helgolaender Wissenschaftliche (West Germany) v10 p91-103 1964.

NCH-207 368 Field 6C

Otte, B.
A CONTRIBUTION, BASED ON NEW FACTS, IN THE BATTLE AGAINST HYPODERMA. 11 Oct 66, 17p. IICH-9107.
Order from IICH: $17.00 as IICH-9107

Trans. from Tieraerztliche Umschau (West Germany) v16 1961.

NCH-207 376 Field 6C

Sukhareva, N. B.
ON THE PROBLEM OF USING MICHURIN'S METHOD OF AN INTERMEDIARY FOR THE CREATION OF TRIPLE HYBRIDS IN THE GENUS FRAGARIA (K Voprosu ob Ispolsovanii Michurinskogo Metoda Posrednika dlya Polucheniya Trekhvidovykh Gibridov v Rode Fragaria). Oct 66, 10p, 23refs. RTS-3620.
Order from NLL: 17s 6d as RTS-3620

Trans. of mono. Apomixis i Nekotore Novye Metody Selektsii Rastenii, n.p., 1963 p91-8.

NCH-207 387 Field 6C

Smirnov, E. S.
ON THE EXPRESSION OF TAXONOMIC AFFINITY (O Vyrazhenii Taksonomicheskovo Skhodstva). Dec 66, 6p, 6refs. RTS-3747.
Order from NLL: 12s 6d as RTS-3747

Trans. of Zhurnal Obshchei Biologii (USSR) v27 p191-5 1966.

NCH-207 446 Field 6C

Kruzhilin, A. S.; Shvedskaya, Z. M.
EFFECT OF MINERAL NUTRITION CONDITIONS ON CHANGE OF PROPERTIES OF PLANTS (Vliyanie Uslovii Mineralnogo Pitaniya na Izmenenie Svoistv Rastenii). Sep 66, 15p, refs. RTS-3364.
Order from NLL: 17s 6d as RTS-3364

Trans. of Zhurnal Obschei Biologii (USSR) v17 n6 p436-42 1956.

NCH-207 737 Field 6C, 2E

Gunther, K.; Tekin, C.
THE PROBLEMS OF PHYSIOLOGICAL VITAMIN D DEPOT. PT. 1: VITAMIN D_2-D_3 ACTIVITY IN THE

LIVER OF CATTLE. 10 Feb 67, 16p. ATS-08T98G.
Order from ATS: $24.50 as ATS-08T98G

Trans. of Zeitschrift fuer Tierphysiologie, Tierernaehrung und Futermittelkunde (West Germany) v19 n3 p130-44 1964.

TT-65-50335 Field 6C

Laskowska, R.
STUDIES ON PHOTOPERIODISM IN POLISH HEMP (Studia nad Fotoperiodyzmem Konopi Krajowych). Tr. by M. Sierpinski. 1966, 40p, 54refs. SFCSI-Agr(TT-65-50335).
Order from CFSTI: $3.00 as TT-65-50335

Trans. of Instytut Uprawy, Nawozenia i Gleboznawstwa, Warsaw, Pamietnik Pulawski (Poland) n7 p65-116 1962.

TT-66-14436 Field 6C

Tagami, Y.; Mizukami, T.
HISTORICAL REVIEW OF THE RESEARCHES ON BACTERIAL LEAF BLIGHT OF RICE CAUSED BY XANTHOMONAS ORYZAE (UYEDA ET ISHIYAMA) DOWSON. 197p (figs omitted) 492refs.
Order from SLA: $13.50 as TT-66-14436

Trans. of Byogaichu Hassei Yosatsu Tokubetsu Hokoku (Japan) n10 p1-112 1962.

TT-66-27611 Field 6C

Tarchevskii, V. V.; Shubin, F. M.
EXPERIMENTS ON COVERING ASH HEAPS OF POWER STATIONS WITH VEGETATION. CE-Trans-3749.
Order from CEGB as CEGB-CE.Trans.3749

Trans. of Vsesoyuznoe Botanicheskoe Obshchestvo. Sverdlovskoe Otdelenie. Zapiski (USSR) n2 p139-43 1962.

TT-66-28497 Field 6C

Epshtein, I. M.; Vainberg, Z. S.; Tongur, A. M.
EXPERIMENTAL NEPHROLITHIASIS IN THE LIGHT OF ELECTRON MICROSCOPIC INVESTIGATIONS (Ob Eksperimentalnom Nefrolitiaze v Svete Elektronno-Mikroskopicheskikh Issledovanii). 7p. CSIR-tr-588.
Order from CSIR as CSIR-tr.588

Trans. of Urologiya (USSR) v30 p10-4 1965.

TT-66-51112 Field 6C

Kuznetsov, N. Ya.
FAUNA OF RUSSIA AND ADJACENT COUNTRIES: LEPIDOPTERA, VOL. 1. Tr. by A. Mercado. 1967, 310p, refs. SFCSI-Agr(TT-66-51112).
Order from CFSTI: $3.00 as TT-66-51112

Trans. of mono. Fauna Rossii i Sopredelnykh Stran: Chesshuekrylye, Vol. 1, Leningrad, 1929.

TT-67-30450 Field 6C

Grismer, R. A.
RAISING OF AMICROBIC MAMMALS. 7 Feb 67, 5p. JPRS-39802.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30450

Trans. of Priroda (USSR) n11 p27-9 1966.

TT-67-30899 Field 6C

Gilyarov, M.; Dorozhkin, N.
WORK OF AGRICULTURAL INSTITUTIONS IN THE SOVIET UNION AND THE GERMAN DEMOCRATIC REPUBLIC. 14 Mar 67, 16p. JPRS-40253.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30899

Trans. of Zashchita Rastenii (USSR) n12 p18-21, 54-6, 58 1966.

TT-67-31053 Field 6C, 6E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 198. 27 Mar 67, 17p. JPRS-40408.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31053

Abstract trans. of Shui Ch'an Hsueh Pao (Chinese People's Republic) v3 n1 78p 1966 and Liao Ning I Hsueh (Chinese People's Republic) n10 p438-67 1966.

E. Clinical medicine

NCH-207 449 Field 6E

Shvemberger, I. N.; Vakhtin, Yu. B.
HISTOLOGICAL ANALYSIS OF RAT RHABDOMYOSARCOMA OBTAINED IN IMPLANTATION OF CELLS BECOMING MALIGNANT IN VITRO (Gistologicheski Analiz Rabdomiosarkom Krys, Poluchennykh pri Implantatsii Malignizirovayshikhsya in Vitro Kletok). Sep 66, 15p, refs. RTS-3391.
Order from NLL: 17s 6d as RTS-3391

Trans. of Arkhiv Patologii (USSR) v27 n8 p49-55 1965.

NCH-207 741 Field 6E

Zimmer, V.
A CONTRIBUTION TO THE TREATMENT OF CARDIAC INSUFFICIENCY WITH CORONARY INSUFFICIENCY. 1966, 6p. ATS-79U98G.
Order from ATS: $10.00 as ATS79U98G

Trans. of die Medizinische Welt (West Germany) n51 p2806-8 1966.

NCH-205 958 Field 6E

Atterhog, J. H.; Porje, G.
ISOPTIN IN ANGINA PECTORIS. 15 Jul 66, 5p. ATS-41T94S.
Order from ATS: $8.85 as ATS-41T94S

Trans. of Svenska Laekartidningen, v63 n21 p2071-4 1966.

TT-67-30803 Field 6E, 6M

Nastac, E.
VIROID ETIOLOGY OF HUMAN LEUKEMIAS IN THE LIGHT OF RECENT RESEARCH. 7 Mar 67, 28p, 119refs. JPRS-40157.

Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30803

Trans. of Microbiologia, Parazitologia, Epidemiologia (Rumania) v9 n4 p279-91 1964.

TT-67-30826 Field 6E, 6M

Zilber, L.
OPERATION "ORE" FROM THE MEMOIRS OF ACADEMICAN L. A. ZILBER. 8 Mar 67, 21p. JPRS-40180.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30826

Trans. of Nauka i Zhizn (USSR) n12 p55-63 1966.

TT-67-30938 Field 6E, 5I

Papko, G. F.
THE HEMATOLOGICAL SERVICE OF THE USSR AND THE IMMEDIATE TASKS CONFRONTING IT.
17 Mar 67, 8p. JPRS-40293.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30938

Trans. of Problemy Gematologii i Perelivaniya Krovi (USSR) v12 n2 p3-6 1967.

TT-67-31080 Field 6E, 5C, 5D

SOCIOLOGICAL TRANSLATIONS ON EASTERN EUROPE NO. 425. 28 Mar 67, 39p. JPRS-40435.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31080

TT-67-31089 Field 6E

ELECTROSLEEP AND ELECTROANESTHESIA (ELECTRONARCOSIS). 28 Mar 67. 372p. JPRS-40444.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31089

Trans. of mono. Elektroson i Elektroanesteziya (Elektronarkoz) Moscow, 1966 271p.

TT-67-60413 Field 6E

Shefer, D. G.; Nesterov, L. N.
PALLIDECTOMY AND THALAMECTOMY IN THE TREATMENT OF SEVERAL DISEASES OF THE EXTRAPYRAMIDAL SYSTEM. 1967, 8p. NIH-7-67-65.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60413

Trans. of Voprosy Neirokhirurgii (USSR) v28 n3 p35-9 1964.

TT-67-60423 Field 6E

Romodanovskii, A. V.
CORROSION PREPARATIONS OF BONES AND BLOOD VESSELS. 1965, 5p, 14refs. NIH-6-56-65.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60423

Trans. of Arkhiv Anatomii, Gistologii i Embriologii (USSR) v36 n6 p90-1 1959.

TT-67-60430 Field 6E

Shtulman, D. R.
MALIGNANT EXOPHTHALMOS IN PARKINSONISM AND SYRINGOMYELIA. Tr. by Holtzmann. 1966, 14p. NIH-3-50-65.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60430

Trans. of Zhurnal Nevroptologii i Psikhiatii (USSR) v62 n3 p367-73 1962.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-60431 Field 6E

Samotokin, B. A.; Boolgakov, N. P.
STEREOTACTIC OPERATIONS FOR THE TREATMENT OF PARKINSONISM AND SEVERAL OTHER HYPERKINESES. 1966, 8p. NIH-5-51-65.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60431

Trans. of Vestnik Khirurgii (USSR) v93 p59-63 1964.

TT-67-60432 Field 6E

Vein, A. M.
ON THE PYSIOPATHOLOGY OF PARKINSONISM: THE CURRENT STATUS OF THE PROBLEM. 1967, 14p. NIH-3-55-65.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60432

Trans. of Zhurnal Nevropatologii i Psikhiatrii (USSR) v62 p801-7 1962.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-60560 Field 6E

Frithiof, L.; Wersall, J.
PHOSPHOLIPID-LIKE GRANULES IN KERATINIZING EPITHELIUM IN THE ORAL CAVITY. 1967, 6p, 8refs. NIH-1-2-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60560

Trans. of Arsbok Riksfoereningen mot Cancer (Sweden) v4 p85-9 1965.

TT-67-61241 Field 6E

Frank, R. M.
ELECTRON MICROSCOPIC STUDY OF ODONTOBLAST AND OF HUMAN DENTINAL TUBULE. Tr. by J. Chapin. 1967, 32p, refs. NIH-2-5-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61241

Trans. of Archives of Oral Biology (New York) v11 p179-99 1966.

TT-67-61290 Field 6E

Lobjoie, D. P.
BIOPHYSICAL STUDY OF SURFACE LAYERS OF HUMAN DENTAL ENAMEL. Tr. by Z. D. Knowles. 1966, 33p, refs. NIH-8-20-66.

Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61290

Trans. of Geneva Univ. Thesis (Switzerland) n232 1965.

TT-67-61317 Field 6E, 6M

Pollitzer, R.
SOVIET BIOMEDICAL JOURNALS, SERIES IV, NO. 1: SELECTED ABSTRACTS. Oct 66, 62p. AD-648 880.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 880

Contract DA-18-064-AMC-495(A).

TT-67-61371 Field 6E

Basunti, V.; Donateo, M.
PRIMARY TUBERCULAR INFECTION STUDIED IN DISPENSARY AND REGULAR PERIODICAL TUBERCULIN CHECKUPS (La Prima Infezione Tuberculare Vista attraverso l'Attivita Dispensariale e la Rilevazione Tuberculinica Periodica e Sistematica). Tr. by Tatiana Boldyreff. 1966, 7p. NMS-Trans-1143.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61371

Trans. of Lotta Contro la Tubercolosi (Italy) v33 p167-70 1963.

TT-67-61372 Field 6E

Casco, M. G.
RESEARCH STUDIES ON LATENT TUBERCULOSIS AMONG THE STUDENTS OF THE NATIONAL CORBOVA UNIVERSITY (Investigacion de la Tuberculosis Inaparente Entre los Estudiantes de la Universidad Nacional de Cordoba). Tr. by Tatiana Boldyreff. 1967, 21p (refs omitted). NMS-Trans-1144.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61372

Trans. of Revista Medica de Cordoba (Spain) v51 p38-49 1963.

TT-67-61375 Field 6E, 6M

Grossi, F.
GASTRIC TEST FOR KOCH BACILLUS IN CHILDREN WITH POSITIVE VON PIRQUET REACTION (Ricerca del Bacillo di Koch nel Succo Gastric in Bambini con von PIrquet Positiva). Tr. by Tatiana Boldyreff. 1967, 6p (refs omitted). NMS-Trans-1148.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61375

Trans. of Rinascenza Medica (Italy) v12 p511-2 1935.

TT-67-61376 Field 6E

Mulder, A. M.
MANIFESTATIONS OF ACTIVE TUBERCULOSIS SHORTLY AFTER A NEGATIVE X-RAY EXAMINATION (Het Manifest Worden van Actieve Tuberculose Korte Tijd na een Negative Uitkomst Bijdoorlichting). Tr. by Tatiana Boldyreff. 1967, 3p. NMS-Trans-1151.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61376

Trans. of Nederlands Tijdschrift voor Geneeskunde, v93 p476-7 1949.

TT-67-61377 Field 6E

Woelinga, H. D.
A NORMAL DELIVERY AT THE AGE OF 51 YEARS. Tr. by Tatiana Boldyreff. 1966, 3p. NMS-Trans-1153.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61377

Trans. of Nederlands Tijdschrift voor Geneeskunde, v102 p1369-70 1958.

F. Environmental biology

TT-66-15431 Field 6F

Leclercq, J.
ECOLOGY IN THE SERVICE OF HUMAN ECONOMY. Tr. by A. L. Monks. 12 Apr 65, 14p, 16refs. ORNL-tr-321.
Order from SLA: $1.60 as TT-66-15431

Trans. of Annales de Gembloux (Belgium) n3 p668-77 1963.

H. Food

NCH-207 440 Field 6H

Konev, S. V.
THE POSSIBILITY OF QUANTITATIVE DETERMINATION OF BUTTERFAT CONTENT IN MILK BY THE INTENSITY OF THE SECONDARY FLUORESCENCE (O Vozmozhnosti Kolichestvennogo Opredeleniya Soderzaniya Zhira v Moloke po Intensivnosti Vtorichnoi Lyuminestsentsii). Sep 66, 9p, 12refs. RTS-3448.
Order from NLL: 10s as RTS-3448.

Trans. of Zhivotnovodstvo (USSR) v25 n9 p77-80 1963.

TT-67-30878 Field 6H, 6C

Okuneva, L. A.; Shillinger, Yu. I.; Maganova, N. B.
THE EFFECT OF GAMMA IRRADIATED PLANT FOOD ON MONKEYS. 13 Mar 67, 11p, refs. JPRS-40232.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30878

Trans. of Voprosy Pitaniya (USSR) v25 n3 p52-8 1966.

TT-67-60526 Field 6H, 5C

Shigeyuki Hamada.
TEN YEARS OF JAPANESE FROZEN TUNA EXPORTS AND VIEWED FROM SALES STATISTICS. Tr. by James H. Shohara. Sep 66, 18p. BCF-TI-Trans-21.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60526

Trans. of Japan Export Frozen Tuna Sales Co., Rept., n.p., 1966.

TT-67-60527 Field 6H, 5C

JAPANESE FROZEN TUNA EXPORT TRENDS AND DEVELOPMENTS, JANUARY 1965-AUGUST 1966. Tr. by James H. Shohara. Oct 66, 8p. BCF-TI-Trans-23.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-60527

Trans. from Suisan Tsushin (Japan) 26 Sep 66.

J. Industrial (occupational) medicine

NCH-207 775 Field 6J

Vyalov, A. M.; Bagnova, M. D.; Vasilev, A. S.; Pushkina, N. N.; Yushkevich, L. B.
EARLY CHANGES IN THE HEALTH OF PERSONNEL ENGAGED IN THE PRODUCTION OF PHENOL AND ACETONE BY THE CUMENE HYDROPEROXIDE METHOD. Feb 67, 4p. ATS-03U99R.
Order from ATS: $8.00 as ATS-03U99R

Trans. of Nauchno-Issledovatelskii Institut Gigieny, Moscow. Uchenye Zapiskii (USSR) n9 p13-6 1961.

TT-66-28500 Field 6J

Shatalov, N. N.
SOME HAEMODYNAMIC SHIFTS OCCURRING UNDER THE EFFECT OF INDUSTRIAL NOISE. 7p, 10refs. Fisons-trans-958.
Order from ETC: $1.10 as TT-66-28500

Trans. of Gigiena Truda i Professionalnye Zabolevaniya (USSR) v9 n6 p3-7 1965.

TT-67-30970 Field 6J, 5I

Shchupakov, N. N.
PREVENTION AND TREATMENT OF CAISSON DISEASE. 22 Mar 67, 161p, 89refs. JPRS-40325.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30970

Trans. of mono. Profilaktika i Lechenie Kessonnoi Bolezni, Moscow, 1962 187p.

M. Microbiology

NCH-207 501 Field 6M, 6C

Nikolyuk, V. F.
SOIL PROTOZOA AND THEIR BIOLOGICAL IMPORTANCE (Pochvennye Protisty i ikh Biologicheskoe Znachenie). Sep 66, 24p, 52refs. RTS-3494.
Order from NLL: 37s 6d as RTS-3494

Trans. of Pedobiologia (East Germany) v3 n4 p259-73 1964.

NCH-207 507 Field 6M, 6C

Geltser, Yu. G.
SOIL PROTOZOA AND METHODS OF THEIR DETECTION (Protozoa Pocvy i Metody ikh Obnaruzheniya). Sep 66, 15p, refs. RTS-3481.
Order from NLL: 22s 6d as RTS-3481

Trans. of Uspekhi Sovremennoi Biologii (USSR) v53 n2 p237-45 1962.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 535 Field 6M

Dirkx, J.
RELATIONSHIPS BETWEEN THE FIXING OF A BACTERIOPHAGE AND THE PHYSICOCHEMICAL STATE OF THE BACTERIAL SURFACE. 22 Nov 66, 26p. TC-2591.
Order from TC: $21.00 as TC-2591

Trans. of Institut Pasteur, Paris. Annales (France) v97 p526-47 1959.

TT-67-61088 Field 6M, 2E

Salazhov, E. L.; Zagorodnov, M. V.; Sharov, A. N.; Shevyrev, N. S.; Khorkov, I. A.
VIRULENT IMMUNOGENIC AND COMPLEMENT-FIXING CHARACTERISTICS OF THE FOOT-AND-MOUTH DISEASE VIRUS. Tr. by C. C. Nikiforoff. 1966, 12p, refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61088

Trans. of Voprosy Veterinarnoi Virusologii (USSR) n1 p209-13 1964.

TT-67-61296 Field 6M, 6A

Borriss, E.; Koch G.
INTERACTIONS BETWEEN P^{32}-LABELED RIBONUCLEIC ACIDS AND SUSPENDED TISSUE CULTURE CELLS. Tr. by J. Chapin. 1966, 17p, refs. NIH-1-22-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61296

Trans. of Zeitschrift fuer Naturforschung (West Germany) v19b p32-9 1964.

TT-67-61361 Field 6M, 6E

Golde, A.; Vigier, P.
NON-DEFECTIVENESS OF THE PRAGUE STAIN OF ROUS VIRUS. Tr. by J. Chapin. 1967, 5p, 9refs. NIH-3-2-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61361

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v262 p2793-6 1966 (pub. by Gauthier-Villars et Cie., Paris).

TT-67-61374 Field 6M, 6E

Gerrits, J. C.
TUBERCLE BACILLI IN SPUTUM OR IN GASTRIC CONTENTS (IN FASTING STATE) WITHOUT PULMONARY CHANGES ON THE ROENTGEN PHOTO (Tuberkelbacillen in Sputum of in Nuchtere Maageinhoud Zonder Longafwijkingen op de Roentgenphoto). Tr. by Tatiana Boldyreff. 1967, 10p. NMS-Trans-1147.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61374

Trans. of Nederlands Tijdschrift voor Geneeskunde, v92 p988-94 1948.

TT-67-61381 Field 6M

Tournier, M. P.; Chretien, J.; Vic-Dupont, M.; Mallet, R.; Pequignot, H.
WHAT IS THE PRESENT FREQUENCY OF VIRAL PNEUMOPATHIES. Tr. by Z. Knowles. 1967, 10p. NIH-3-1-67.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61381

Trans. of la Presse Medicale (France) v74 n17 p883-5 1966.

O. Pharmacology

NCH-205 481 Field 6O

Okazaki, K.; Yamamoto, J.; Chiba, Y.
STUDIES ON DIGESTIVES. PT. XXXVII. EFFECT

OF DRUGS ON PROTEASE PREPARATIONS. 1.
24 Jun 66, 8p. ATS-71T93J.
Order from ATS: $9.95 as ATS-71T93J

Trans. of Yakuzaigaku (Japan) v22 n2 p98-101 1962.

NCH-207 126 Field 6O

Matsuda, K.
ON THE CHEMICAL CONVERSION OF ATROPINE IN THE LIVER; PHARMACOLOGICAL ACTION OF ATROPINE OXIDIZED TO ALDEHYDE (ATROPANAL).
Tr. by E. R. Hope. Aug 65, 2p. DSIS-T-114-G; NRC-C-5571; NIH-12-32-65.
Order from NRC as C-5571

Trans. of Japanese Journal of Medical Science and Biology. 4. Pharmacology, v13 n1/2 p4-5 1940.

NCH-207 127 Field 6O

Miyazawa, H.
STUDY OF ATROPINE METABOLISM. (1) PHARMACOLOGICAL CONSPECTUS OF ATROPANAL.
Tr. by E. R. Hope. Aug 65, 22p, 48refs.
DSIS-T-89-J; NRC-C-5572; NIH-12-34-65.
Order from NRC as C-5572

Trans. of Hihon Yakurigaku Zasshi (Japan) v52 n3 p355-69 1956.

NCH-207 143 Field 6O

Asahina, Y.; Nogami, H.
SYNTHESIS OF AMINES HAVING A FORMYL GROUP. REPORT NO. 1: THE SYNTHESIS OF FORMYL PHENACETYL TROPEINE. Tr. by E. R. Hope.
Aug 65, 4p, 4refs. DSIS-T-88-J; NRC-C-5557; NIH-12-28-65.
Order from NRC as C-5557

Trans. of Yakugaku Zasshi (Japan) v61 n5 p167-9 1941.

NCH-207 738 Field 6O

I. I.; M. D.
PORTRAIT OF A DRUG: FLUPHENAZINE UNDER CROSSFIRE. 1966, 13p. ATS-15T98G.
Order from ATS: $17.25 as ATS-15T98G

Trans. of Selecta (Netherlands) n44 p2532-42 1966.

TT-67-31010 Field 6O, 6E

Kuznetsov, V. I.; Tank, L. I.
PHARMACOLOGY AND CLINICAL USE OF MERCAPTOAMINES. 23 Mar 67, 18p. JPRS-40365.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31010

Trans. of mono. Farmakologiya i Klinicheskoe Primenenie Aminotiolov, Moscow, 1966 p138-52, 170.

TT-67-61291 Field 6O, 6E

Meissner, R.
RESPIRATORY STIMULANTS. 1966, 53p.
NIH-9-4-66.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61291

Trans. of Zeitschrift fuer die Gesamte Experimentelle Medizin (West Germany) v31 p159-214 1923.

P. Physiology

NCH-207 499 Field 6P, 5J

Brozek, J.
EXPERIMENTAL STUDIES ON THE IMPACT OF DEFICIENT DIET ON HUMAN BEHAVIOUR (Eksperimentalnoe Izuchenie Vliyaniya Nedostatochnogo Pitaniya na Povedenie Cheloveka). Sep 66, 12p, refs. RTS-3415.
Order from NLL: 17s 6d as RTS-3415

Trans. of Voprosy Pitaniya (USSR) v19 n5 p3-8 1960.

NCH-207 502 Field 6P, 6E

Makarychev, A. I.
NUTRITION AND HIGHER NERVOUS ACTIVITY (Pitanie i Vysshaya Nervnaya Deyatelnost). Sep 66, 13p, refs. RTS-3458.
Order from NLL: 20s as RTS-3458

Trans. of Voprosy Pitaniya (USSR) v12 n3 p9-16 1953.

R. Radiobiology

NCH-207 120 Field 6R, 18B

Pohlit, W.
THE EFFECTS OF HIGH-ENERGY RADIATION (Die Wirkungsweise Energiereicher Strahlung).
Tr. by D. A. Sinclair. 1966, 19p. NRC-TT-1256; NRC-C-6242.
Order from NRC as C-6242

Trans. of Internist (West Germany) v5 n7 p263-71 1964.

NCH-207 123 Field 6R, 18B

Moskalev, Yu. I.
EXPERIMENTS ON THE DISTRIBUTION OF THE RADIUM-THORIUM-X ISOTOPE (Opyty po Raspredeliyu Izotopa Radiya-Toriya-X). Tr. by G. Belkov.
1966, 10p. NRC-TT-1259; NRC-C-6236.
Order from NRC: $0.50 as C-6236

Trans. of mono. Raspredelenie, Biologicheskoe Deistvie i Uskorenie Vyvedeniya Radioaktivnykh Izotopov, Moscow, 1964 p29-34.

TT-67-30865 Field 6R

Kirichenko, V. N.; Boirsov, B. N.; Ogorodnikov, B. I.; Kachikin, V. I.; Sharoiko, S. A.
CALIBRATION AND USE OF DOSIMETERS. 10 Mar 67, 11p, 2refs. JPRS-40219.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30865

Trans. of Atomnaya Energiya (USSR) n3 p17-8, 218-9 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-30995 Field 6R, 18B

RADON WATERS AND THEIR THERAPEUTIC USES. 22 Mar 67, 26p, refs. JPRS-40350.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30995

Trans. of mono. Radonovye Vody i Ikh Lechebnoe Primenenie, Moscow, 1966 p3-13, 132-8, 214-6.

TT-67-31091 Field 6R

Grodzenskii, D. Z.
PROBLEMS IN RADIOBIOLOGY. 28 Mar 67, 26p. JPRS-40446.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31091

Trans. of mono. Radiobiologiya, Moscow, 1966 p201-31.

S. Stress physiology

TT-67-31044 Field 6S

Khachaturyants, L. S.
PHYSIOLOGY OF WORK IN SPACE. 24 Mar 67, 11p. JPRS-40399.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31044

Trans. of Meditsinskaya Sestra (USSR) n1 p30-347 1967.

TT-67-31052 Field 6S

USSR SCIENTIFIC ABSTRACTS: BIO-MEDICAL SCIENCES NO. 38. Aerospace Medicine. 27 Mar 67, 175p. JPRS-40407.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31052

07 CHEMISTRY

TT-67-30906 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 67. 14 Mar 67, 20p. JPRS-40260.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30906

Abstract trans. of Hua Hsueh T'ung Pao (Chinese People's Republic) n4 64p 1964; n9 64p 1963.

TT-67-30980 Field 7-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 68. 22 Mar 67, 42p. JPRS-40335.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30980

TT-67-30996 Field 7-

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 38. 22 Mar 67, 141p. JPRS-40351.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30996

TT-67-31067 Field 7-

USSR SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 39. 27 Mar 67, 146p. JPRS-40422.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31067

A. Chemical engineering

NCH-207 118 Field 7A, 14B

Raichle, L.; Schaurer, G.
HIGH PRESSURE TECHNIQUES (Hochdrucktechnik). Tr. by D. A. Sinclair. 1966, 16p, 47refs. NRC-TT-1262; NRC-C-6287.
Order from NRC: $1.00 as C-6287

Trans. of Fortschritte der Verfahrenstechnik (West Germany) v5 p70-82 1962.

NCH-207 129 Field 7A, 14B

Kuss, E.
THE PHYSICS OF HIGH AND VERY HIGH PRESSURES (Physik Hoher und Hoechster Druecke) Tr. by D. A. Sinclair. 1966, 32p, 418refs. NRC-TT-1263; NRC-C-6312.
Order from NRC: $2.00 as C-6312

Trans. of Fortschritte der Verfahrenstechnik (West Germany) v5 p41-69 1962.

NCH-207 534 Field 7A

Chistyakov, A. N.
ABOUT THE COMPOSITION AND METHODS OF INVESTIGATION OF COAL-TAR PITCH. 22 Nov 66, 14p. TC-2248.
Order from TC: $13.00 as TC-2248

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhnologiya (USSR) v8 n3 p476-84 1965.

NCH-207 537 Field 7A

Dokuchaev, E. S.
TO THE QUESTION OF DETERMINATION OF THE OPTIMAL CAPACITY OF THE PETROCHEMICAL INDUSTRIES. 22 Nov 66, 11p. TC-2438.
Order from TC: $8.50 as TC-2438

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v8 n12 p111-6 1965.

NCH-207 542 Field 7A

Hiroshi Yoshida; Yutaka Tomita; Horoshi Fujiwara; Hamime Sazumura.
PREPARATION OF AROMATICS FROM PETROLEUM HYDROCARBONS. 3. PREPARATION OF CO-GELATED CHROMIA-ALUMINA CATALYSTS. 22 Nov 66, 13p. TC-2581.
Order from TC: $14.50 as TC-2581

Trans. of Sekiyu Gakkai Shi (Japan) v9 p21-5 1966.

NCH-207 547 Field 7A

Kagarliskii, A. D.
INVESTIGATION OF THE OXIDATIVE AMMONOLYSIS

OF SOME MONOALKYLBENZENES (Issledovanie Reaktsii Okislitelnogo Ammonoliza Nekotoryk Mono-akilbezolov). Oct 66, 20p, 23refs. RTS-3447.
Order from NLL: 27s 6d as RTS-3447

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Institut Khimicheskikh Nauk. Trudy, v7 p57-67 1961.

NCH-207 568 Field 7A

Kurilenko, A. I.; Kulkova, N. V.; Ostrovskii, V. E.; Temkin, M. I.
INFLUENCE OF ELECTRONEGATIVE ELEMENTS ON THE SILVER-CATALYSED OXIDATION OF ETHYLENE (Vliyanie Elektrootritsatelnykh Elementov na Katalitcheskoe Deistvie Serebra pri Okislenii Etilena). Jun 66, 8p, 9refs. RTS-3238.
Order from NLL: 10s as RTS-3238

Trans. of Akademiya Nauk SSSR. Doklady, v123 n5 p878-81 1958.

NCH-207 603 Field 7A

Lukashevich, I. P.; Eminbeili, Ya. I.
REFINING AND CHEMISTRY OF PETROLEUM AND GAS. OIL-SOLUBLE SULFONATES FROM EXTRACTS OF PHENOL PURIFICATION. 28 Nov 66, 6p. TC-2439.
Order from TC: $5.50 as TC-2439

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) n8 n12 p65-7 1965.

NCH-207 609 Field 7A

Kamiya, Y.
RECENT PROGRESSES MADE IN THE LIQUID-PHASE AIR OXIDATION OF HYDROCARBONS. 28 Nov 66, 21p. TC-2546.
Order from TC: $21.00 as TC-2546

Trans. of Sekiyu Gakkai Shi (Japan) v9 n2 p105-10 1966.

NCH-207 619 Field 7A

Juntgen, H.; Peters, W.
PROCESS ENGINEERING FOUNDATION FOR THE SEPARATION OF SO_2 FROM OFF-GASES. 28 Nov 66, 18p. TC-2613.
Order from TC: $15.00 as TC-2613

Trans. of Staub (West Germany) v25 p425-9 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 735 Field 7A

Khadzhov, B.; Torbov, Ts.; Peev, D.; Mitov, V.
CONVERSION OF THE COMBUSTION SYSTEM OF THE CALCINED SODA KILNS AT THE "KARL MARX" STATE CHEMICAL PLANT. 10 Feb 67, 9p. ATS-30T98B.
Order from ATS: $15.25 as ATS-30T98B

Trans. of Khimiya i Industriya (Bulgaria) v38 n1 p33-7 1966.

NCH-207 752 Field 7A, 13H

Haidegger, E.; Kisgergely, L.; Kincses, G.; Peter, I.
EXPERIENCE WITH THE MANUFACTURE OF SORBITOL IN HUNGARY. 1966, 13p. ATS-87T97H.
Order from ATS: $28.50 as ATS-97T97H

Trans. of Magyar Kenikusok Lapja (Hungary) v21 n4 p189-95 1966.

NCH-207 769 Field 7A, 7D

Kasatkin, A. G.; Dytnerskii, Yu. I.; Piterskikh, D. G.; Khla Mint, M.
DESIGN OF TOWERS WITH DUAL-FLOW (COUNTER-CURRENT) TUBE TRAYS. 10 Feb 67, 16p. ATS-80T97R.
Order from ATS: $19.85 as ATS-80T97R

Trans. of Khimicheskaya Promyshlennost (USSR) v39 n4 p279-86 1963.

NCH-207 772 Field 7A

Kurnakov, N. S.; Berg, L. G.; Sveshnikova, V. N.
PERMUTITE AND ITS PROPERTIES. 10 Feb 67, 15p. ATS-54T97R.
Order from ATS: $18.50 as ATS-54T97R

Trans. of Akademiya Nauk SSSR. Otdelenie Matematicheskikh i Estestvennykh Nauk. Izvestiva (USSR) p1381-94 1937.

NCH-207 793 Field 7A, 12B

Platonov, V. M.
MATHEMATICAL SIMULATION AND OPTIMIZATION OF FRACTIONATION PROCESSES. 10 Feb 67, 13p. ATS-34T96R.
Order from ATS: $21.85 as ATS-34T96R

Trans. of Vsesoyuznoe Khimicheskoe Obschchestvo. Zhurnal (USSR) v10 n1 p12-8 1965.

NCH-207 795 Field 7A

Delimarskii, Yu.; Zinkova, Z.; Goldman, G.
INVESTIGATION OF THE PRODUCTION OF PERMUTITES FROM KAOLIN. 10 Feb 67, 7p. ATS-57T97U.
Order from ATS: $9.95 as ATS-57T97U

Trans. of Kiev Univ. Naukovi Zapysky (USSR) v2 n1 p29-34 1936.

NCH-207 796 Field 7A

Delimarskii, Yu.; Dolgova, E.
PRODUCTION OF PERMUTITE BY THE WET METHOD. 10 Feb 67, 11p. ATS-58T97U.
Order from ATS: $18.75 as ATS-58T97U

Trans. of Kiev Univ. Naukovi Zapysky (USSR) v1 n1 p35-44 1936.

NCH-207 797 Field 7A

Delimarskii, Yu. K.
THE QUESTION OF THE PREPARATION OF PERMUTITES. 10 Feb 67, 17p. ATS-56T97U.

Order from ATS: $24.85 as ATS-56T97U

Trans. of Kiev Univ. Naukovi Zapysky (USSR) v1 n4 p175-89 1935.

TT-66-15425 Field 7A, 7D

Zebel, G.
ON THE GROWTH AND RATE OF GROWTH OF AEROSOLS OF WATER-SOLUBLE SUBSTANCES AS A FUNCTION OF THE RELATIVE HUMIDITY IN AIR. 25p, 12refs. AI-Trans-210.
Order from SLA: $2.60 as TT-66-15425

Trans. of Zeitschrift fuer Aerosol Forschung und-Therapie (West Germany) v5 p263-88 1956.

TT-66-27648 Field 7A

Pelsh, A. D.
DYNAMICS OF THE DESULPHURIZATION PROCESS. CEGB-X-Trans-287.
Order from CEGB as CEGB-X,Trans,287

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Galurgii. Trudy (USSR) n14 p5-43 1937.

TT-66-27649 Field 7A

Pelsh, A. D.
ENERGY CONSIDERATIONS IN THE DESULPHURIZATION PROCESS. CEGB-X-Trans-286.
Order from CEGB as CEGB-X.Trans.286

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Galurgii. Trudy, n14 p45-79 1937.

TT-66-27655 Field 7A

Kachanak, S.
ANALYSIS OF ADSORPTION DYNAMICS IN CONTINUOUS COLUMNS FROM THE ASPECT OF THE EQUATIONS OF THE BED HEIGHT. PARTS I AND II.
CE-Trans-3003/3004.
Order from CEGB as CEGB-CE.Trans.3003/3004

Trans. of Chemicke Zvesti (Czechoslovakia) v15 n8 p575-606 1961.

TT-67-30931 Field 7A, 5C

USSR INDUSTRIAL DEVELOPMENT: CHEMICAL INDUSTRY AND MACHINERY NO. 41. 16 Mar 67, 29p. JPRS-40285.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30931

TT-67-30950 Field 7A.

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 343. The Leading Position of the Petroleum-Processing and Petrochemical Industries in Bulgaria. 20 Mar 67, 10p. JPRS-40305.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30950

Trans. of Khimiya i Industriya (Bulgaria) n7 p289-92 1966.

TT-67-31077 Field 7A

Kuznetsov, I. A.; Panchenkov, G. M.; Savenkova, N. P.; Gorshkov, V. I.
SOVIET RESEARCH ON ION-EXCHANGE TECHNOLOGY. 28 Mar 67, 34p, refs. JPRS-40432.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31077

Trans. of mono. Ionoobmennaya Tekhnologiya, Moscow, 1965 p49-54, 63-6, 101-6.
Ion-Exchange Technology.

B. Inorganic chemistry

NCH-207 550 Field 7B, 7C

Horacek, J.; Pechance, V.
THE MICRODETERMINATION OF FLUORINE IN ORGANIC SUBSTANCES. 22 Nov 66, 6p. TC-2607.
Order from TC: $6.00 as TC-2607

Trans. of Mikrochimica et Ichnoanalytica Acta (Austria) n1/2 p17-23 1966.

NCH-207 553 Field 7B

Flad, D.; Matthes, F.
TOWARDS THE UNDERSTANDING OF THE BEHAVIOR OF THE AMALGAMS OF SOME RARE EARTH ELEMENTS. 22 Nov 66, 3p. TC-2642.
Order from TC: $3.00 as TC-2642

Trans. of Zeitschrift fuer Chemie (East Germany) v4 n12 p466 1964.

TT-66-27662 Field 7B, 13A

Kostrikin, Yu. M.; Kalinina, N. M.
POSSIBLE PRESENCE OF HYDRAZINE IN BOILER STEAM. CE-Trans-3466.
Order from CEGB as CEGB-CE.Trans.3466

Trans. of Teploenergetika (USSR) v10 n3 p17-8 1963.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27663 Field 7B, 13A

Sono, K.; Watanabe, H.; Mitsukami, Y.
DETERMINATION OF ULTRAMICRO QUANTITIES OF SILICA IN HIGH PRESSURE BOILER FEED WATER BY EXTRACTION AND COLOUR COMPARISON. CE-Trans-3294.
Order from CEGB as CEGB-CE.Trans.3294

Trans. of Bunseki Kagaku (Japan) v12 n4 p352-8 1963.

TT-66-28498 Field 7B

Gindin, L. M.; Ivanova, S. N.
SEPARATION OF PLATINUM AND RHODIUM BY EXTRACTION WITH TRI-N-OCTYLAMINE HYDROCHLORIDE (Ekstraktsionnoe Razdelenie Platiny i Rodiya Solyanokislym). 11p. CSIR-tr-589.
Order from CSIR as CSIR-tr.589

Trans. of Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya. n7, Seriya Khimicheskikh Nauk., n2 p28-34 1964.

TT-66-28563 Field 7B

Badeeva, T. I.
ON THE GRAVIMETRIC DETERMINATION OF FLUORIDES. FRI-Trans-71.
Order from FRI as FRI-trans.71

Trans. of Zavodskaya Laboratoriya (USSR) v21 n7 p787-8 1955.

TT-66-28578 Field 7B

Semenkovich, S. A.
ALUMINIUM MONOBROMIDE. FRI-Trans-102.
Order from FRI as FRI-Trans.102

Trans. of Zhurnal Prikladnoi Khimii (USSR) v30 n6 p933-6 1957.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

C. Organic chemistry

NCH-207 366 Field 7C, 11I

Sinn, H.; Onsager, O. T.
THE KINETICS OF THE "POLYMERIZATION" OF ISOPRENE AND STYRENE WITH N-BUTYL LITHIUM AS CATALYST, PART IV. 11 Oct 66, 7p. IICH-9105.
Order from IICH: $6.00 as IICH-9105

Trans. of Makromolekulare Chemie (Switzerland) v55 p167-72 1962.

NCH-207 379 Field 7C

Aroyan, A. A.; Azaryan, A. S.; Iradyan, M. A.
RESEARCH INTO DERIVATIVES OF BENZYLPYRIDINE (Issledovaniya v Oblasti Proizvodnikh Khinoline). Nov 66, 10p, 5refs. RTS-3422.
Order from NLL: 15s as RTS-3422

Trans. of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya, v18 n1 p76-82 1965.

NCH-207 412 Field 7C

Eidus, Ya.; Mutsennetse, L.
ULTRAVIOLET ABSORPTION SPECTRA OF NITROFURANS. (Ultrafioletovye Spekty Pogloshcheniya Nitrofuranov). Jun 66, 19p, 4refs. RTS-3257.
Order from NLL: 40s as RTS-3257

Trans. of Akademiya Nauk Latviiskoi SSR, Rigi. Izvestiya, n11(172) p65-82 1961.

NCH-207 438 Field 7C, 7A

Kolodina, I. S.; Suvorov, B. V.
OXIDATION OF ORGANIC COMPOUNDS. (Okislenie Organicheskikh Coedimenii). Nov 66, 9p, 12refs. RTS-3443.
Order from NLL: 15s as RTS-3443

Trans. of Akademiya Nauk Kazakhskoi SSR, Alma-Ata. Izvestiya. Seriya Khimicheskaya, v7 n2(22) p92-7 1962.

NCH-207 536 Field 7C

Panizzi, L.; Monti, E.
HETEROCYCLIC SYNTHESIS. REPORT IX: KETONE REAGENTS AND OXYMETHYLENEKETONE ANILS. 22 Nov 66, 17p. TC-2349.
Order from TC: $14.00 as TC-2349

Trans. of Gazzetta Chimica Italiana, v73 p556-71 1943.

NCH-207 540 Field 7C, 7D

Naga, T.
OXIDATION OF UNSATURATED ALDEHYDES. 22 Nov 66, 20p. TC-2547.
Order from TC: $18.00 as TC-2547

Trans. of Sekiyu Gakkai Shi (Japan) v9 n2 p111-6 1966.

NCH-207 543 Field 7C

Issleib, K.; Seidel, W.
PREPARATION AND CHEMICAL BEHAVIOR OF ALIPHATIC AND CYCLOALIPHATIC DIPHOSPHINES, R_2P-PR_2. 22 Nov 66, 17p. TC-2582.
Order from TC: $16.00 as TC-2582

Trans. of Chemische Berichte (West Germany) v92 n11 p2681-94 1959.

NCH-207 548 Field 7C

Frumkina, N. S.; Zelenetskii, N. N.
SEPARATION OF dl-MENTHOL FROM A MIXTURE OF RACEMIC ISOMERIC MENTHOLS BY THE METHOD OF VACUUM-RECTIFICATION. 22 Nov 66, 6p. TC-2600.
Order from TC: $5.50 as TC-2600

Trans. of Dushistykh Veshchesty (sic) v6 p146-50 1963.

NCH-207 757 Field 7C

Zimin, R. A.; Roginskii, S. Z.; Yanovskii, M. I.
A STUDY OF THE EFFECT OF OXYGEN IN THE OXIDATIVE DEHYDROGENATION OF BUTENES TO BUTADIENE ON A BISMUTH-MOLYBDENUM CATALYST. 1966, 6p. ATS-83U98R.
Order from ATS: $11.00 as ATS-83U98R

Trans. of Neftekhimiya (USSR) v6 n3 p374-9 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 762 Field 7C

Vartanov, A. A.; Belenkii, M. S.; Alkhazov, T. G.
INVESTIGATION OF OXIDATIVE DEHYDROGENATION ISOAMYLENES ON A BISMUTH-MOLYBDENUM CATALYST. 1966, 5p. ATS-84U98R.
Order from ATS: $8.25 as ATS-84U98R

Trans. of Neftekhimiya (USSR) v6 n3 p387-91 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 763 Field 7C

Tsailingold, A. L.; Pilipenko, F. S.; Stepanov, G. A.; Tyuryaev, I. Ya.
COMPOSITION OF PRODUCTS OF THE OXIDATIVE DEHYDROGENATION OF n-BUTENES ON A BISMUTH-MOLYBDENUM CATALYST. 1966, 7p. ATS-82U98R.

Order from ATS: $12.50 as ATS-82U98R

Trans. of Neftekhimiya (USSR) v6 n3 p367-73 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 780 Field 7C, 7D

Kovarskaya, B. M.; Kolesnikov, G. S.; Levantovskaya, I. I.; Smirnova, O. V.; Dralyuk, G. V.
THERMOOXIDATIVE DEGRADATION OF POLYCARBONATES. 1966, 6p. ATS-53T96R.
Order from ATS: $8.50 as ATS-53T96R

Trans. of Plasticheskie Massy (USSR) n6 p40-2 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 781 Field 7C

Veselovskaya, E. V.; Levina, A. A.; Nalivaiko, E. I.; Pukshanskii, M. D.
EFFECT OF LOW-MOLECULAR FRACTIONS ON CRACKING RESISTANCE OF POLYETHYLENE. 1966, 4p. ATS-54T96R.
Order from ATS: $5.65 as ATS-54T96R

Trans. of Plasticheskie Massy (USSR) n6 p43-4 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 783 Field 7C, 11J

Mochalina, E. P.; Dyatkin, B. L.; Galakhov, I. V.; Knunyants, I. L.
SYNTHESIS OF SOME COMPOUNDS CONTAINING THE NONAFLUOROTERT-BUTYL GROUP. 10 Feb 67, 5p. ATS-87U98R.
Order from ATS: $10.75 as ATS-87U98R

Trans. of Akademiya Nauk SSSR. Doklady, v169 n6 p1346-9 1966.

NCH-207 792 Field 7C

Artamonov, A. A.; Balandin, A. A.; Marukyan, G. M.
CATALYTIC DEHYDROGENATION OF ALKYLAROMATIC COMPOUNDS. 10 Feb 67, 5p. ATS-47T96R.
Order from ATS: $8.75 as ATS-47T96R

Trans. of Akademiya Nauk SSSR. Doklady, v168 n6 p1311-4 1966.

NCH-207 794 Field 7C, 11J

Brodskii, A. I.; Pokhodenko, V. D.; Khizhnyi, V. A.; Kalibabchuk, N. N.
THE MECHANISM OF REACTIONS OF 4-ALKYL-2,6-DI-tert-BUTYLPHENOXYL RADICALS. 10 Feb 67, 5p. ATS-92T96R.
Order from ATS: $6.25 as ATS-92T96R

Trans. of Akademiya Nauk SSSR. Doklady, v169 n2 p339-42 1966.

NCH-207 803 Field 7C, 7D

Kalashnikova, L. A.; Miller, V. B.; Neiman, M. B.; Rozantsev, E. G.; Skripko, L. A.
ANTIOXIDANTS FOR POLYPROPYLENE. 1966, 5p. ATS-40T96R.

Order from ATS: $6.65 as ATS-40T96R

Trans. of Plasticheskie Massy (USSR) n7 p10-1 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 804 Field 7C, 11I

Bebikh, G. F.; Sakodynskaya, T. P.
PHOSPHORYLATION OF POLYMERS. 10 Feb 67, 5p. ATS-50T96R.
Order from ATS: $8.00 as ATS-50T96R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v8 n2 p343-6 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 808 Field 7C, 12A

Getsi, I.; Selim, M. I. B.
CALCULATION OF CHARACTERISTIC VISCOSITY FROM A SINGLE VALUE OF THE VISCOSITY OF A SOLUTION BY THE USE OF THE MARON EQUATION. 10 Feb 67, 3p. ATS-51T96R.
Order from ATS: $4.00 as ATS-51T96R

Trans. of Vysokomolekulyarne Soedineniya (USSR) v8 n2 p361-2 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 809 Field 7C

Kolesnikov, G. S.; Chuchin, A. E.; Boev, B. I.
OXIDATION OF SOME POLYARYLENEETHYLS TO THE HYDROPEROXIDES. 10 Feb 67, 5p. ATS-49T96R.
Order from ATS: $8.75 as ATS-49T96R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) v8 n2 p327-31 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-15480 Field 7C

Shopov, D.; Dyankov, S. S.
THE STABILITY OF THE SILICON-CARBON BOND IN FURYLSILANES. 5p, 4refs.
Order from SLA: $1.10 as TT-66-15480

Trans. of International Symposium on Organosilicon Chemistry, Prague, 6-9 Sep 65. Works, n.p., 1965 p276-8.

TT-66-15571 Field 7C

Krivoshchekova, O. E.; Shamshurin, A. A.
SYNTHESIS OF NEW PYROCARBONATES. 8p (foreign text included) 2refs.
Order from SLA: $1.10 as TT-66-15571

Trans. of mono. Sintez Novykh Pirougolnykh Efirov, Kishinev, 1965 p58-60.

TT-66-27604 Field 7C, 11B

Sumiyoshi, H.; Noda, I.
SURFACE TENSION OF SYNTHETIC MICA MELTS.

CE-Trans-3514.
Order from CEGB as CEGB-CE, Trans. 3514

Trans. of Kogyo Kagaku Zasshi (Japan) v65 n2 p155-6 1962.

TT-66-27656 Field 7C

Leopold, J.; Valtr, Z.
DETERMINATION OF GLUCONIC AND CITRIC ACID PART III. CE-Trans-3119.
Order from CEGB as CEGB-CE.Trans.3119

Trans. of Ceskoslovenska Farmacie v8 p486-9 1959.

TT-67-60657 Field 7C, 21D

Obolentsev, R. D.; Torikov, D. M.; Zolotukhina, O. M.; Galeeva, G. V.; Alliueva, T. I.
ORGANIC SULFUR COMPOUNDS OF DIRECTLY DISTILLED FUELS, 1967, 17p (foreign text included) refs. DI-Trans-603-C.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60657

Trans. of Khimiya Seraorganicheskikh Soedinenii, Soderzhashchikhsya v Neftyakh i Nefteproduktakh (USSR) v6 p26-34 1964.

TT-67-61373 Field 7C

Deniges, G.
SENSITIVITY REACTIONS OF LACTIC AND GLYCOLIC ACIDS (Reactions Sensibles des Acides Lactique et Glycolique). Tr. by Tatiana Boldyreff. 1966, 4p. NMS-Trans-1145.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61373

Trans. of Societe Chimique de France. Memoires, n117 p647-9.

D. Physical chemistry

NCH-207 133 Field 7D

Iwase, E.
ULTRAVIOLET SPECTROPHOTOMETRIC DETERMINATION OF TITANIUM. 1966, 17p, refs. ODF-tr-45; NRC-C-6275.
Order from NRC as C-6275

Trans. of Rikagaku Kenkyujo Hokoku (Japan) v38 p28-33 1962.

NCH-207 508 Field 7D

Varshavskii, Ya. M.; Shatenshtein, A. N.
ABSORPTION SPECTRA OF SOLUTIONS OF NITRO- AND POLYNITROPHENOLS IN ANHYDROUS HYDRAZINE (Spectry Pogloshcheniya Rastvorov Nitro- i Polinitrofenolov v Bezvodnom Gidrazine). Sep 66, 11p, 5refs. RTS-3331.
Order from NLL: 20s as RTS-3331

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v22 n4 p475-82 1948.

NCH-207 545 Field 7D

Kuhn, H. J.; Pohl, W. G.
ION BRIDGES IN MACROMOLECULAR NET-WORKS. 22 Nov 66, 15p. TC-2590.
Order from TC: $14.00 as TC-2590

Trans. of Helvetica Chimica Acta (Switzerland) v49 p174-84 Jan 1966.

NCH-207 549 Field 7D

Germain, J. E.
SUPPORT EFFECTS AND BIFUNCTIONAL CATALYSTS. 22 Nov 66, 24p. TC-2603.
Order from TC: $19.00 as TC-2603

Trans. of Societe Chimique de France. Bulletin, n1 p22-9 1966.

NCH-207 554 Field 7D, 7C

Ide, Y.
ISOMERIZATION AND DECOMPOSITION OF ETHYLENE OXIDE USING SILVER CATALYSTS. 22 Nov 66, 17p. TC-2643.
Order from TC: $16.00 as TC-2643

Trans. of Nihon Kagaku Zasshi (Japan) v86 n12 p1249-53 1965.

NCH-207 556 Field 7D

Guyer, A.
STUDIES OF ABSORPTION PROCESSES ON GAS BUBBLES. 22 Nov 66, 11p. TC-2659.
Order from TC: $9.00 as TC-2659

Trans. of Helvetica Chimica Acta (Switzerland) v38 p1192-1202 1955.

NCH-207 557 Field 7D

Kolbel, H.
SIZE DISTRIBUTION OF GAS BUBBLES IN BUBBLE COLUMNS. PART I: INFLUENCES OF LIQUID VISCOSITY AND COLUMN INTERNAL PRESSURE. 22 Nov 66, 20p. TC-2660.
Order from TC: $17.00 as TC-2660

Trans. of Chemie-Ingenieur-Technik (West Germany) v33 n10 p668-75 1961.

NCH-207 559 Field 7D

Schumann, H.
STRUCTURAL STUDIES OF LIQUIDS AND OTHER NON-CRYSTALLINE PHASES BY MEANS OF X-RAY DIFFRACTION. 22 Nov 66, 18p. TC-2676.
Order from TC: $13.00 as TC-2676

Trans. of Technische Hochschule, Magdeburg. Wissenschaftliche Zeitschrift (East Germany) n2 p143-9 1964.

NCH-207 562 Field 7D

D'Ans, J.; Arens, A.
EVALUATION OF SPATIAL SOLUBILITY DIAGRAMS.

II. USES OF DIAGRAMS IN THREE- AND FOUR-SIDED PRISMS. 22 Nov 66, 19p. TC-2769.
Order from TC: $15.00 as TC-2769

Trans. of Kali, Verwandte Salze und Erdol (Germany) n12 p116-24 1938.

NCH-207 602 Field 7D, 7A

Takeuchi, T.; Yamazaki, M.
MAGNETIC RESONANCE SYMPOSIUM. APPLICATION OF THE HIGH RESOLUTION NUCLEAR MAGNETIC RESONANCE METHOD IN INDUSTRIAL ANALYTICAL CHEMISTRY. 28 Nov 66, 37p. TC-2027.
Order from TC: $29.00 as TC-2027

Trans. of Kogyo Kagaku Zasshi (Japan) v68 n8 p1313-22 1965.

NCH-207 608 Field 7D, 7A

Sogawa, T.; Nishiguchi, K.
APPLICATION OF THE GAS CHROMATOGRAPHY PROCESS TO THE PETROLEUM ACETYLENE PLANT. 28 Nov 66, 16p. TC-2545.
Order from TC: $15.00 as TC-2545

Trans. of Kogyo Kagaku Zasshi (Japan) v67 n11 p1794-8 1964.

NCH-207 618 Field 7D

Larikov, E. I.; Zhigach, A. F.; Popov, A. F.; Kulikovskaya, T. N.; Vladytskaya, N. V.
THERMAL DECOMPOSITION OF ALUMINUM ALKYLS. 28 Nov 66, 11p. TC-2612.
Order from TC: $9.00 as TC-2612

Trans. of Khimicheskaya Promyshlennost (USSR) v3 p171-4 1964.

NCH-207 747 Field 7D

Ginsberg, H.; Huttig, W.
RECENT DEVELOPMENTS IN THE PRODUCTION OF ALUMINUM OXIDE AS A RAW MATERIAL FOR THE ELECTROLYSIS OF ALUMINUM. 1966, 10p. ATS-57T98G.
Order from ATS: $18.50 as ATS-57T98G

Trans. of das Metall (West Germany) v19 n3 p201-5 1965.

NCH-207 753 Field 7D, 7C

Ueda, H.
SYNTHESIS OF MENTHOL. 1966, 10p. ATS-20T98J.
Order from ATS: $16.65 as ATS-20T98J

Trans. of Nihon Nogei Kagakkai Shi (Japan) v40 n8 pR31-7 1966.

NCH-207 756 Field 7D, 7C

Yamashita, S.; Matsumura, T.
APPLICATION OF OPPENAUER OXIDATION. PT. 3. 1966, 4p. ATS-00U99J.
Order from ATS: $7.50 as ATS-00U99J

Trans. of Nihon Kagaku Zasshi (Japan) v64 n4 p506-8 1943.

NCH-207 759 Field 7D, 7C

Yamashita, S.; Honjo, H.
APPLICATION OF OPPENAUER OXIDATION. PT. 1. 1966, 4p. ATS-91U99J.
Order from ATS: $8.50 as ATS-91U99J

Trans. of Nihon Kagaku Zasshi (Japan) v63 n10 p1335-7 1942.

NCH-207 789 Field 7D

Kritskaya, I. I.
CONDITIONS FOR THE FORMATION AND STABILIZATION OF CARBON-TRANSITION METAL sigma-BONDS. 10 Feb 67, 38p. ATS-68T96R.
Order from ATS: $49.75 as ARS-68T96R

Trans. of Uspekhi Khimii (USSR) v35 n3 p393-426 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 805 Field 7D

Zhdanov, S. P.; Kiselev, A. V.; Lygin, V. I.; Titova, T. I.
INVESTIGATION OF THE NATURE OF THE ACID CENTERS OF DECATIONIZED ZEOLITES BY INFRARED SPECTROSCOPY. 10 Feb 67, 8p. ATS-77T97R.
Order from ATS: $15.85 as ATS-77T97R

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v40 n5 p1041-7 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 807 Field 7D

Yasina, L. L.; Shapiro, A. B.; Rozantsev, E. G.
INHIBITION OF THE OXIDATION OF POLYMERS BY SOME FREE RADICALS. 1966, 5p. ATS-52T96R.
Order from ATS: $6.85 as ATS-52T96R

Trans. of Plasticheskie Massy (USSR) n6 p37-9 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-15580 Field 7D, 7B

Roedel, K. H.; Sonntag, H.
REPRODUCIBLE PRECIPITATING CONDITIONS OF DEFINED ALUMINUM HYDROXIDES IN RELATIONSHIP TO CATALYTIC PROPERTIES OF THEIR ACTIVATED PRODUCTS. II: PHYSICAL PROPERTIES AND CATALYTIC ACTIVITIES OF THE OXIDES. 12p, 4refs.
Order from SLA: $1.60 as TT-66-15580

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v343 n3/4 p139-49 1966.

TT-66-15581 Field 7D, 7B

Sonntag, H.; Roedel, K.
REPRODUCIBLE PRECIPITATING CONDITIONS OF DEFINED ALUMINUM HYDROXIDES IN RELATIONSHIP TO THE CATALYTIC PROPERTIES OF THEIR ACTIVATED PRODUCTS. I: EFFECTS OF THE PRECIPITATING CONDITIONS ON THE STRUCTURAL FORM. 8p, 8refs.

Order from SLA: $1.10 as TT-66-15581

Trans. of Zeitschrift fuer Anorganische und Allgemeine Chemie (East Germany) v343 n3/4 p131-8 1966.

TT-66-27658 Field 7D, 7B

Savic, M. M.
SPECTROPHOTOMETRIC STUDY OF THE FORMS OF BROMOPHENOL-BLUE (BPB) INDICATOR IN AQUEOUS AND CHLOROFORM SOLUTIONS. CE-Trans-2887.
Order from CEGB as CEGB-CE.Trans.2887

Trans. of Drustvo Hemicara i Tehnologa NR Bosne i Hercegovine. Glasnik. Bulletin (Yugoslavia) v9 p55-69 1960.

TT-66-27722 Field 7D

Golovatyi, R. N.; Novoselskaya, M. I.; Oshchapovskii, V. V.
SEPARATION OF Li+ AND Na+ FROM Mg^{2+}, Ca^{2+} AND Al^{3+} BY ION EXCHANGE. CE-Trans-3053.
Order from CEGB as CEGB-CE.Trans.3053

Trans. of Ukrainskii Khimicheskii Zhurnal (USSR) v28 n1 p112-5 1962.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-28540 Field 7D

Gogoberidze, D. P.
B. YA. PINES HIGH ILLUMINATING-POWER X-RAY MONOCHROMATORS. FRI-Trans-32.
Order from FRI as FRI-trans.32

Trans. of Uspekhi Fizicheskikh Nauk (USSR) v43 n2 p291-2 1951.

TT-66-28541 Field 7D

Bagaryatskii, Yu. A.; Kolontsova, E. V.
A BENT-CRYSTAL X-RAY MONOCHROMATOR. FRI-Trans-33.
Order from FRI as FRI-trans.33

Trans. of Zavodskaya Laboratoriya (USSR) v16 n8 p955-61 1950.

TT-66-28542 Field 7D

Bagaryatskii, Yu. A.
NEW DEVELOPMENTS IN THE TECHNIQUE OF FOCUSSING X-RAYS. FRI-Trans-34.
Order from FRI as FRI-trans.34

Trans. of Uspekhi Fizicheskikh Nauk (USSR) v43 n2 p292-5 1951.

TT-66-28555 Field 7D

Olshanskii, Ya. I.; Shlepov, V. K.
THE SYSTEM Cr - Cr_2O_3. FRI-Trans-59.
Order from FRI as FRI-Trans.59

Trans. of Akademiya Nauk SSSR. Doklady, v91 n3 p561-4 1953.

TT-66-28580 Field 7D

Sereda, T. M.
TREATMENT OF DIFFRACTION PATTERNS OBTAINED FROM CONDENSED AMORPHOUS BODIES BY THE RADIAL-DISTRIBUTION METHOD. FRI-Trans-109.
Order from FRI as FRI-Trans.109

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Fizicheskaya, v20 p820-3 1956.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

08 EARTH SCIENCES AND OCEANOGRAPHY

TT-61-11147-152 Field 8-, 4B, 4A, 3B

SOVIET-BLOC RESEARCH IN GEOPHYSICS, ASTRONOMY, AND SPACE NO. 152. 16 Mar 67, 83p. JPRS-40291.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-61-11147-152

Also available on subscription $16.00/year, foreign $20.00/year.

A. Biological oceanography

TT-67-60525 Field 8A, 6C

Iwai, T.; Nakamura, I.; Matsubara, K.
TAXONOMIC STUDY OF THE TUNAS. Tr. by Chu-fa Tsai. 1966, 74p (figs omitted) refs. BCF-IL-Trans-38.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60525

Trans. of Kyoto Daigaku. Misaki Rinkai Kenkyujo. Special Report of the Misaki Marine Biological Institute (Japan) n2 p1-51 1965.

TT-67-61382 Field 8A

Strelkova, O. S.
THE FLORA OF THE SUPRALITTORAI OF O. SHIKOTAN (SMALL KURILE ISLANDS) (K Flore Supralitorali O. Shikotan (Malaya Kurilskaya Gryada)). Tr. by M. Slessers. 1967, 9p, 13refs. NOO-Trans-309; AD-649 202.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 202

Trans. of Issledovaniya Fauny Morei (USSR) n6 p141-5 1959.

B. Cartography

TT-67-61338 Field 8B

Tomasegovic, Z.
ON THE RELIABILITY OF PHOTOGRAMMETRIC SURVEYS IN FOREST BELT AREAS (O Pouzdanosti Fotogrametrijskih Slojnica Sumskih Podrucja). Mar 67, 13p. AERDL-T-1895-67; AD-648 989.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 989

Trans. of Geodetski List (Yugoslavia) n10/12 p259-64 1965.
Contract DA-44-009-AMC-1563(T).

E. Geodesy

TT-67-30981 Field 8E

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: EARTH SCIENCES NO. 97. 22 Mar 67, 32p. JPRS-40336.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30981

F. Geography

TT-67-30944 Field 8F

Murzaev, E. M.
NATURE OF SINKIANG AND FORMATION OF THE DESERTS OF CENTRAL ASIA. 20 Mar 67, 627p, refs. JPRS-40299.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30944

Trans. of mono. Priroda Sintszyana i Formirovanie Pustyn Tsentralnoi Azii, Moscow, 1966 373p.

G. Geology and mineralogy

NCH-207 107 Field 8G, 8N

Chen Zhiqiang; Wang Cengchang; Deng Xinghui.
SOME RESULTS OF PALEOMAGNETIC RESEARCH IN CHINA. Tr. by E. R. Hope. Oct 66, 3p, refs.
DSIS-T-462-R; NRC-C-6257.
Order from NRC as C-6257

Trans. of mono. Nastoyashchee i Prosholoe Magnitnogo Polia Zemli, Moscow, 1965 p309-11.
The Present and Past of the Geomagnetic Field.

NCH-207 108 Field 8G, 8N

Vlasov, A. Ya.; Kovalenko, G. V.
GEOMAGNETIC FIELD INVERSION (REVERSAL) IN THE LOWER DEVONIAN. Tr. by E. R. Hope. Dec 65, 13p, 19refs. DSIS-T-430-R; NRC-C-5778.
Order from NRC as C-5778

Trans. of mono. Rock Magnetism and Paleomagnetism, Krasnoyarsk, 1963 p429-45.

NCH-207 128 Field 8G, 8N

Mandrusova, O. A.; Petrova, G. N.
A PROVEN CASE OF (GEOMAGNETIC) FIELD INVERSION. Tr. by E. R. Hope. Dec 65, 5p, 2refs.
DSIS-T-433-R; NRC-C-5771.
Order from NRC as C-5771

Trans. of mono. Rock Magnetism and Paleomagnetism, Krasnoyarsk, 1963 p447-56.

NCH-207 144 Field 8G, 8N

Aparin, V. P.; Vlasov, A. Ya.
SOME QUESTIONS IN THE HISTORY OF THE GEOMAGNETIC FIELD AT THE END OF THE MIDDLE PALEOZOIC AND IN THE UPPER PALEOZOIC.
Tr. by E. R. Hope. Oct 66, 9p, 7refs.
DSIS-T-461-R; NRC-C-6260.
Order from NRC as C-6260

Trans. of mono. Nastoyashchee i Proshloe Magnitnogo Polia Zemli, Moscow, 1965 p213-20.
The Present and Past of the Geomagnetic Field.

NCH-207 784 Field 8G

Gordashevskii, P. F.
PROPERTIES AND CRYSTAL STRUCTURE OF GYPSUM. 10 Feb 67, 4p. ATS-13U99R.
Order from ATS: $7.25 as ATS-13U99R

Trans. of Stroitelnye Materialy (USSR) v12 n5 p17-8 1966.

NCH-207 786 Field 8G

Gimatudinov, Sh. K.; Mustafin, G. G.
SELECTION OF NATURAL SANDSTONES FOR SIMULATING INHOMOGENEOUS POROUS MEDIA. 1966, 7p. ATS-41T97R.
Order from ATS: $10.85 as ATS-41T97R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v9 n3 p39-44 1966.

NCH-207 800 Field 8G, 8I

Ramazanzade, M. G.; Rostomyan, P. M.
AGE DETERMINATION OF SEDIMENTARY ROCKS ON THE BASIS OF THE ORGANIC MATTER CONTENT OF THE DEPOSITS. 1966, 4p. ATS-84T97R.
Order from ATS: $6.50 as ATS-84T97R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v9 n2 p6-8 1966.

TT-66-27253 Field 8G, 7D

Ponomarev, V. D.; Sazhin, V. S.
DECOMPOSITION OF NEPHELINES. CEGB-CET-2293.
Order from CEGB as CEGB-CET.2293

Trans. of Zhurnal Prikladnoi Khimii (USSR) v31 n8 p1143-9 1958.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-28494 Field 8G

Bogdanov, N. A.
THE STRUCTURE OF THE PALEOZOIC OF THE WESTERN CIRCUM-PACIFIC BELT. 14p.
TT-66-28494.
Order from ETC: $1.60 as TT-66-28494

Trans. of Geotektonika (USSR) n2 p43-54 1966.

TT-66-28495 Field 8G

Gacsine, P. B.
INVESTIGATION OF THE FACTORS INFLUENCING SEDIMENTATION RATE AND SPECIFIC SEDIMENTATION VOLUME (Az Ulepedesi Sebesseget es a Fajgalos Uledekterfogatot Befolyasolo Tenyezok Vizsgalata). 12p. CSIR-tr-581.
Order from CSIR as CSIR-tr.581

Trans. of Magyar Kemiai Folyoirat (Hungary) v69 p191-5 1963.

TT-66-57036 Field 8G

Churski, T.
REVIEW OF POLISH PLEISTOCENE AND HOLOCENE FORMS CONTAINING PEAT BOGS

(Przeglad form Plejstocenskich i Holocenskich Zwiazanych z Torfowiskami). Tr. by Mieczyslaw Sierpinski. 1967, 20p, 22refs. SFCSI-Agr(TT-66-57036). Order from CFSTI: $3.00 as TT-66-57036

Trans. of Instytut Melioracji i Uzytkow Zielonych. Wiadomosci (Poland) v4 n2 p71-90 1964.

I. Mining engineering

TT-67-31098 Field 8I, 7A

EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 346. 29 Mar 67, 33p. JPRS-40453. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31098

J. Physical oceanography

TT-66-51030 Field 8J

Stepanov, V. N.
CONTRIBUTIONS TO PHYSICAL OCEANOLOGY (Voprosy Fizicheskoi Okeanologii). 1967, 209p, refs. SFCSI-Comm(TT-66-51030). Order from CFSTI: $3.00 as TT-66-51030

Trans. of Akademiya Nauk SSSR. Institut Okeanologii. Trudy, v60 1965.

TT-67-31027 Field 8J, 5C

Kunin, V. N.
WHAT WILL HAPPEN TO OUR INLAND SEAS. 24 Mar 67, 17p. JPRS-40382. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31027

Trans. of Priroda (USSR) n1 p36-46 1967.

TT-67-61383 Field 8J, 8G

Kulikov, N. N.
SEDIMENTATION IN THE KARA SEA (Osadkoobrazovanie v Karskom More). Tr. by M. Slessers. 1967, 18p, 3refs. NOO-Trans-317; AD-649 204. Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 204

Trans. of mono. Sovremennye Osadki Morei i Okeanov, Moscow, 1961 p437-47.

M. Soil mechanics

TT-66-51133 Field 8M, 8H

Dokuchaev, V. V.
RUSSIAN CHERNOZEM: SELECTED WORKS OF V. V. DOKUCHAEV, VOL. I. Tr. by N. Kaner. 1967, 413p, refs. SFCSI-Int(TT-66-51133). Order from CFSTI: $3.00 as TT-66-51133

Trans. of mono. Russkii Chernozem: Izbrannye Sochineniya, vol. 1, Moscow, 1948.

09 ELECTRONICS AND ELECTRICAL ENGINEERING

A. Components

NCH-207 490 Field 9A

Hryshaev, I. O.; Ilyin, O. H.; Shenderovych, O. M.
FORMATION OF MAGNETIC FIELD PULSES WITH SHORT FRONTS IN INFLECTOR AND DEFLECTOR DEVICES (Formuvannaya Impulsiv Mahnitnoho Polya z Korotkymy Frontamy v Inflektornykh ta Deflektornykh Prystroyakh). Sep 66, 12p, 4refs. RTS-2826. Order from NLL: 20s as RTS-2826

Trans. of Ukrayinskyi Fizychnyi Zhurnal (USSR) v8 n8 p869-76 1963.

TT-66-27696 Field 9A

Akodis, M. M.; Maslennikov, D. S.
INCREASING THE POWER OF CIRCUIT BREAKER TESTING STATIONS BY THE USE OF SYNTHETIC CIRCUITS. CE-Trans-3309. Order from CEGB as CEGB-CE.Trans.3309

Trans. of Elektrotekhnika (USSR) v34 n10 p33-7 1963.

TT-66-27697 Field 9A

Sztano, R.
CONDUCTOR CONFIGURATION WHEN STRUNG FROM TOWERS BY SUSPENSION INSULATORS. CE-Trans-3396. Order from CEGB as CEGB-CE.Trans.3396

Trans. of Elektrotechnika (Hungary) v54 n9 p385-90 1961.

TT-66-27705 Field 9A

Fedotov, M. P.
THE CLEANING OF LIVE INSULATORS BY A DISCONTINUOUS STREAM OF WATER. CE-Trans-3137. Order from CEGB as CEGB-CE.Trans.3137

Trans. of Elektricheskie Stantsii (USSR) v33 n6 p66-9 1962.

TT-67-60640 Field 9A

Perelman, L. S.
DETERMINATION OF MAXIMUM PERMISSIBLE FIELD POTENTIAL ON TRANSMISSION LINE CONDUCTORS CONSIDERING RADIO DISTURBANCE LEVELS. 1967, 9p, 14refs. Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60640

Trans. of Elektricheskie Stantsii (USSR) n10 p62-5 1966.

TT-67-61325 Field 9A, 20C

Kuan Wei-yen; Liu Ti-han; Cheng Guo-kuang.
SUPERCONDUCTING ELECTROMAGNET OF Nb3Sn. 5 Dec 66, 25p, refs. FTD-HT-66-509; AD-648 885. Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 885

Edited trans. of Wu Li Hsueh Pao (Chinese People's Republic) v21 n7 p1345-54 1965.

TT-67-61328 Field 9A, 9E

Krasnogolovyi, B. N.; Perlov, V. M.
SEMICONDUCTOR INSTRUMENTS AND THEIR APPLICATION: SELECTED ARTICLES. 6 Dec 66, 52p, 6refs. FTD-MT-65-477; AD-648 888. Order from CFSTI or ETC: HC$3.00, MF$0.65

as AD-648 888

Edited machine trans. of Poluprovodnikovye Pribory i Ikh Primenenie: Sbornik Statei (USSR) n11 p59-110 1964.

TT-67-61335 Field 9A

Grinshtein, V. I.; Shevtsov, V. M.
CONTROLLABLE p-n-p-n SWITCHES (Upravlyaemye Pereklyuchayushchiesya Ventili). 23 Dec 66, 23p, 9refs. FTD-HT-66-369; AD-649 036.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 036

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Elektromekhanika (USSR) v7 n2 p259-69 1964.

B. Computers

TT-67-31073 Field 9B

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS, AND AUTOMATION TECHNOLOGY NO. 10. 28 Mar 67, 10p. JPRS-40428.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31073

TT-67-61326 Field 9B, 12B

Hu Dao-Yuen; Shen Ma-ming; Tong lung.
CERTAIN RESULTS OF RESEARCH ON SELF-OPTIMIZING ANALOG COMPUTERS. 5 Dec 66, 23p, refs. FTD-HT-66-573; AD-648 886.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 886

Edited trans. of Ching Hua Ta Hsueh Hsueh Pao (Chinese People's Republic) v12 n2 p23-36 1965.

TT-67-61357 Field 9B

Dolgov, A. I.; Zhuravlev, Yu. P.
ON THE POSSIBILITY OF ACCELERATED INFORMATION EXCHANGE BETWEEN MEMORY UNITS (O Vozmozhnosti Uskorennogo Obmena Informatsiei Mezhdu Zapominayushchimi Ustroistvami). 18 Jan 67, 13p. FTD-MT-67-02; AD-649 042.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 042

Edited machine trans. from Avtomatika i Vychislitelnaya Tekhnika (Lativian SSR) p211-8 1965.

TT-67-61386 Field 9B

Holland, W. B., ed.
SOVIET CYBERNETICS: RECENT NEWS ITEMS, NO. 2. Mar 67, 65p, refs. P-3600/2; AD-649 251.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 251

C. Electronic and electrical engineering

TT-66-27688 Field 9C

Veverka, A.; Chladek, J.
IONIZATION BETWEEN ELEMENTS OF WINDINGS OF HIGH- AND VERY-HIGH-VOLTAGE TRANSFORMERS. CE-Trans-2749.
Order from CEGB as CEGB-CE.Trans.2749

Trans. of Elektrotechnicky Obzor (Czechoslovakia) v51 n6 p281-5 1962.

TT-66-27689 Field 9C

Wiszniewski, A.
TEST METHODS FOR DETERMINING ERRORS IN CURRENT TRANSFORMERS UNDER TRANSIENT CONDITIONS. CE-Trans-3312.
Order from CEGB as CEGB-CE.Trans.3312

Trans. of Przeglad Elektrotechniczny (Poland) v39 n2 p78-80 1963.

TT-66-27691 Field 9C

Khudyakov, V. V.; Rakova, N. K.; Lazarev, N. S.
MAKING MODELS OF TRANSFORMERS FOR D. C. TRANSMISSION SYSTEMS. CE-Trans-3065.
Order from CEGB as CEGB-CE.Trans.3065

Trans. of Vestnik Elektropromyshlennosti (USSR) v33 n7 p20-6 1962.

TT-66-27693 Field 9C

Buachidze, S. R.
THE REGULATION OF D. C. TRANSMISSION. CE-Trans-3285.
Order from CEGB as CEGB-CE.Trans.3285

Trans. of Elektrichestvo (USSR) n5 p3-8 1951.

TT-66-27709 Field 9C

Leskovar, M.
TARIFF RATES AND DOMESTIC USE IN ELECTRICITY. CE-Trans-3103.
Order from CEGB as CEGB-CE.Trans.3103

Trans. of Elektroprivreda (Yugoslavia) v16 n1 p35-41 1963.

TT-67-30948 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 63. 20 Mar 67, 57p. JPRS-40303.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30948

Abstract trans. of Tien Tzu Hsueh Pao (Chinese People's Republic) n1 p3-102 1963 and Wu Hsien Tien (Chinese People's Republic) n4 24p; n5 24p; n6 24p; n7 24p 1963.

TT-67-30972 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 64. 22 Mar 67, 16p. JPRS-40327.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30972

TT-67-30973 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 65. 22 Mar 67, 39p. JPRS-40328.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30973

Abstract trans. of Wu Hsien Tien Chi Shu (Chinese People's Republic) n4 40p 1964; n1 p13-40; n2 40p 1965 and Hung Se Tien Kung (Chinese People's Republic) n3 43p 1966.

TT-67-30988 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 66. 22 Mar 67, 86p. JPRS-40343.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30988

Abstract trans. of Wu Hsien Tien (Chinese People's Republic) n2 24p; n3 24p; n4 24p; n8 24p 1962; n8 22p; n9 24p; n11 24p 1963.

TT-67-30998 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 62. 22 Mar 67, 77p. JPRS-40353.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30998

TT-67-31005 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 63. 23 Mar 67, 83p. JPRS-40360.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31005

TT-67-31039 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 67. 24 Mar 67, 34p. JPRS-40394.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31039

Abstract trans. of Tien Shih Chieh (Chinese People's Republic) v13 n1 47p 1960; v16 n9 p321-59 1963.

TT-67-31054 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 68. 27 Mar 67, 38p. JPRS-40409.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31054

Abstract trans. of Tien Shih Chieh (Chinese People's Republic) v18 n5 p161-99; n7 p241-79 1965.

TT-67-31074 Field 9C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 69. 28 Mar 67. JPRS-40429.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31074

Abstract trans. of Tien Tzu Chi Shu (Chinese People's Republic) n11 48p; n12 p15-48 1966 and Wu Hsien Tien (Chinese People's Republic) n1 24p; n5 24p; n6 24p; n7 24p; n9 24p; n10 24p 1962; n10 24p 1963.

TT-67-31095 Field 9C

USSR SCIENTIFIC ABSTRACTS: ELECTRONICS AND ELECTRICAL ENGINEERING NO. 64. 29 Mar 67, 96p. JPRS-40450.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31095

D. Information theory

TT-67-30941 Field 9D, 6D, 13H, 12B

USSR SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS AND AUTOMATION TECHNOLOGY NO. 35. 17 Mar 67, 37p. JPRS-40296.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30941

TT-67-30997 Field 9D, 9B, 13H

USSR SCIENTIFIC ABSTRACTS: CYBERNETICS, COMPUTERS AND AUTOMATION TECHNOLOGY NO. 36. 22 Mar 67, 136p. JPRS-40352.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30997

TT-67-61331 Field 9D

Ismatkhodzhaev, S. K.
A PROBLEM IN THE EXTRACTION OF EFFECTIVE SIGNAL IN THE PRESENCE OF HIGH-INTENSITY NOISE (Ob Odnoi Zadache Vydeleniya Poleznogo Signala pri Nalichii Pomekhi Bolshoi Intensivnosti). 20 Dec 66, 22p, 6refs. FTD-TT-65-1075; AD-649 032.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-649 032

Edited trans. of Akademiya Nauk Uzbekskoi SSR, Tashkent. Izvestiya. Seriya Tekhnicheskikh Nauk, n2 p14-26 1964.

E. Subsystems

TT-66-27686 Field 9E

Klima, J.
THE ECONOMIC VALUATION OF LOSSES IN POWER NETWORKS. CE-Trans-2974.
Order from CEGB as CEGB-CE.Trans.2974

Trans. of Elektrotechnicky Obzor (Czechoslovakia) v51 n11 p565-70 1962.

TT-66-27687 Field 9E

Yurenkov, V. D.
STEP-DOWN SUBSTATIONS WITH VOLTAGE DIVIDERS. CEGB-EE-Trans-869.
Order from CEGB as CEGB-EE.Trans.869

Trans. of Elektricheskie Stantsii (USSR) v34 n3 p49-54 1963.

TT-66-27694 Field 9E, 14C

Chura, V.; Was, L.
AN ELECTRONIC SURGE RECORDER FOR INDUSTRIAL

ELECTRICITY SUPPLY NETWORKS. CE-Trans-2976.
Order from CEGB as CEGB-CE.Trans.2976

Trans. of Elektrotechnicky Obzor (Czechoslovakia) v51 n1 p6-9 1962.

TT-66-27699 Field 9E

Saferna, J.
PROVISIONAL INSTRUCTIONS FOR THE CLEANING OF LIVE 60 AND 110 kV OVERHEAD LINES BY MEANS OF WATER JETS. CE-Trans-3280.
Order from CEGB as CEGB-CE.Trans.3280

Trans. of Unidentified article, Gliwice, May 1963.

TT-66-27704 Field 9E, 20C

Aleksandrov, G. N.; Kizevetter, V. E.
DEVELOPMENT OF A DISCHARGE ALONG THE CONDUCTING SURFACE OF H.V. INSULATION IN ELECTRICAL NETWORKS. CE-Trans-3441.
Order from CEGB as CEGB-CE.Trans.3441

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) v5 n5 p20-7 1962.

10 ENERGY CONVERSION (NON-PROPULSIVE)

A. Conversion techniques

TT-66-15486 Field 10A, 17B

Schmidt, K.
GENERATORS FOR WIRELESS TELEGRAPHY. 27p (figs omitted) 5refs.
Order from SLA: $2.60 as TT-66-15486

Trans. of ETZ; Elektrotechnische Zeitschrift. Ausgabe A. Zentralblatt fuer Elektrotechnik (West Germany) v42 n11/12 p245-9, 280-4 1921.

TT-67-30932 Field 10A

Voronov, A. A.
USSR INDUSTRIAL DEVELOPMENT: ELECTRICAL POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 43. 16 Mar 67, 15p. JPRS-40286.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30932

Trans. of Energetik (USSR) n1 p3-5 1967 and news briefs.

TT-67-30976 Field 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL NO. 44. 22 Mar 67, 69p. JPRS-40331.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30976

Trans. of Teploenergetika (USSR) n2 p2-19 1967.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-31016 Field 10A

USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 45. 23 Mar 67, 7p. JPRS-40371.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31016

Trans. of Radio, Moscow (USSR) n12 p9, 64 1966 and from Ekonomicheskaya Gazeta (USSR) n7 p45 1967.

TT-67-31066 Field 10A

Rumyantsev, Yu.
USSR INDUSTRIAL DEVELOPMENT: ELECTRIC POWER, POWER MACHINERY, AND ELECTRICAL EQUIPMENT NO. 46. Economic Reform in the Kazakhstan Power Engineering Complex. 27 Mar 67, 6p. JPRS-40421.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31066

Trans. of Narodnoe Khozyaistvo Uzbekistana (USSR) n1 p65-8 1967.

B. Power sources

TT-66-27716 Field 10B

Mamed-Zade, N. A.
SELECTING THE MOST FAVOURABLE DAILY OPERATING SCHEDULE FOR A SYSTEM WITH SEVERAL HYDRO STATIONS. CE-Trans-2994.
Order from CEGB as CEGB-CE.Trans.2994

Trans. of Elektricheskie Stantsii (USSR) v33 n9 p57-60 1962.

TT-67-31017 Field 10B

Durvarov, P.; Panaytov, N.; Grube, H.
EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 344. 23 Mar 67, 31p. JPRS-40372.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31017

Trans. of Khidrotekhnika i Melioratsii (Bulgaria) n9 p262-7 1966 and Plaste und Kautschuk (East Germany) n2 p73-8 1967.

C. Energy storage

NCH-207 541 Field 10C

Seiji Sawada; Takashi Yamamoto; Masayuki Sato.
STUDIES OF VERTICAL MERCURY CELL WITH CYLINDRICAL CATHODE. 22 Nov 66, 16p. TC-2563.
Order from TC: $15.00 as TC-2563

Trans. of Denki Kagaku (Japan) v31 p776-81 1963.

11 MATERIALS

TT-67-30999 Field 11-

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 25. 22 Mar 67, 170p.

JPRS-40354.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30999

TT-67-31006 Field 11-

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 26. 23 Mar 67, 136p.
JPRS-40361.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31006

B. Ceramics, refractories and glasses

NCH-207 546 Field 11B

Kroll, K.
THE DRYING OF SHAPELESS MATERIALS AND ITS PRINCIPLES. 22 Nov 66, 28p. TC-2594.
Order from TC: $22.50 as TC-2594

Trans. of Euro-Ceramic (West Germany) v13 n9 p298-307 1963.

NCH-207 560 Field 11B, 5C

GLIMPSES OF THE PRESENT STATE OF THE AMERICAN GLASS INDUSTRY. 22 Nov 66, 9p. TC-2684.
Order from TC: $7.00 as TC-2684

Trans. of Glasteknisk Tidskrift (Sweden) v20 n5 p111-4 1965.

NCH-207 782 Field 11B

Nikolaev, A. F.; Trizno, M. S.; Voronova, N. A.
NEW METHOD FOR DESIZING GLASS FABRIC. 1966, 4p. ATS-56T96R.
Order from ATS: $5.50 as ATS-56T96R

Trans. of Plasticheskie Massy (USSR) n6 p62 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-15459 Field 11B

Jebsen-M., H.
A CASE OF TOTAL DESTRUCTION OF TANK BOTTOM BRICKS DUE TO SLIGHT CONTAMINATION (Ein Fall Totaler Zerstoerung von Wannenbodensteinen durch ihre Geringe Verunreinigung). 5p (foreign text included).
Order from SLA: $1.10 as TT-66-15459

Trans. of Glastechnische Berichte (West Germany) v20 n6 p178-9 1942.

TT-66-27599 Field 11B, 13C

Minowa, S.; Kosaka, M.; Kato, M.; Mizuta, M.
METHOD OF INDICATING RESISTANCE OF BRICKS TO CORROSION BY SLAG. CE-Trans-3785.
Order from CEGB as CEGB-CE.Trans.3785

Trans. of Nagoya Kogyo Gijutsu Shikensho Kenkyu Hokoku (Japan) v12 n6 p289-95 1963.

TT-66-27703 Field 11B, 9A

TOSHIBA SILICONE COMPOUNDS-TS970, TS970A FOR ANTI-SALT AND DUST RESISTING TREATMENT OF INSULATORS. CE-Trans-3120.
Order from CEGB as CEGB-CE.Trans.3120

Trans. of Toshiba Review (Japan) n35-4.

TT-66-27730 Field 11B

Bluvshtein, M. N.
STANDARDISATION OF REFRACTORIES IN VARIOUS COUNTRIES. BGIRA-284.
Order from BGIRA as BGIRA-284

Trans. of Ogneupory (USSR) v23 n4 p179-81 1958.

TT-66-27733 Field 11B

Chmielenski, J.
METHODS FOR IMPROVING THE HOMOGENEITY OF GLASS MELTED IN POTS. BGIRA-486.
Order from BGIRA as BGIRA-486

Trans. of Szklo i Ceramika (Poland) v12 n8 p229-30 1961.

TT-66-27734 Field 11B

Dobes, I.
THE DETERMINATION OF BORON, PHOSPHORUS AND ALKALIS IN SILICA GLASS. BGIRA-515.
Order from BGIRA as BGIRA-515

Trans. of Sklar a Keramik (Czechoslovakia) v11 n4 p114-6 1961.

TT-66-27737 Field 11B, 13H

Gesse, K.
ON USING ZINC SULPHATE AS AN ACCELERATOR IN GLASS POLISHING. BGIRA-172.
Order from BGIRA as BGIRA-172

Trans. of Steklo i Keramika (USSR) v12 n12 p22-3 1955.

TT-66-27741 Field 11B, 13H

Ivanov, N. I.; Dulin, A. A.
RATIONALISATION OF THE PROCESSES OF GRINDING AND POLISHING OF GLASS. BGIRA-190.
Order from BGIRA as BGIRA-190

Trans. of Steklo i Keramika (USSR) v12 n12 p25-9 1955.

TT-66-27742 Field 11B

Ivanov, B. V.; Polinkovskaya, A. I.
CHANGES IN THE MICROSTRUCTURE OF FUSED QUARTZ BRICKS DURING SERVICE IN GLASS TANK FURNACES. BGIRA-282.
Order from BGIRA as BGIRA-282

Trans. of Akademiya Nauk SSSR. Doklady, v85 n6 p1365-8 1952.

TT-66-27743 Field 11B

Karapetyan, G. O.
THE EFFECT OF OXIDISING AND REDUCING CONDITIONS ON THE SPECTRAL ABSORPTION AND LUMINESCENCE OF CERIUM IONS IN GLASS.
BGIRA-327.
Order from BGIRA as BGIRA-327

Trans. of Optika i Spektroskopiya (USSR) v3 n6 p641 1957.

TT-66-27745 Field 11B

Kitaigorodskii, I. I.; Shkolnikov, Y. A.
THE FORMATION OF SULFATE IN SODA GLASS.
BGIRA-323.
Order from BGIRA as BGIRA-323

Trans. of mono. Steklotekhnika (USSR) 1934 p114-29.

TT-66-27747 Field 11B

Koldaev, B. G.
TECHNIQUE OF PRODUCING HIGH ALUMINA CERAMIC BRICKS. BGIRA-147.
Order from BGIRA as BGIRA-147

Trans. of Ogneupory (USSR) v22 n8 p340-5 1957.

TT-66-27751 Field 11B, 13H, 14B

Kriz, M.
APPLICATION OF PHOTOMETRY IN THE STUDY OF GLASS MANUFACTURE. BGIRA-174.
Order from BGIRA as BGIRA-174

Trans. of Silikaty (Czechoslovakia) v1 n4 p372-7 1957.

TT-66-27755 Field 11B, 7B

Levina, N. D.; Pantelyeva, L. I.
USE OF SODIUM TETRAPHENYLBORATE FOR DETERMINATION OF POTASSIUM IN GLASS. BGIRA-102.
Order from BGIRA as BGIRA-102

Trans. of Zavodskaya Laboratoriya (USSR) v23 p285-7 1957.

TT-66-27756 Field 11B

Litvakovskii, A. A.
A METHOD OF IMPROVING THE QUALITY OF REFRACTORIES. BGIRA-125.
Order from BGIRA as BGIRA-125

Trans. of Steklo i Keramika (USSR) v12 n11 p21-5 1955.

TT-66-27762 Field 11P, 13H

Minakov, A. G.
REPLY TO PAPER BY K. GESSE "ON USING ZINC SULPHATE AS AN ACCELERATOR IN GLASS POLISHING." BGIRA-172.
Order from BGIRA as BGIRA-172

Trans. of Steklo i Keramika (USSR) v12 n12 p23-5 1955.

TT-66-27764 Field 11B

Nakorkin, P. I.
PRODUCTION OF QUARTZ BLOCKS. BGIRA-43.
Order from BGIRA as BGIRA-43

Trans. of Steklo i Keramika (USSR) v9 n6 p8 1952.

TT-66-27765 Field 11B

Okamura, T.
STUDY OF GAS COMPONENTS IN GLASS. PART IV. ABSORPTION OF O_2 AND CO_2 BY MOLTEN GLASS.
BGIRA-448.
Order from BGIRA as BGIRA-448

Trans. of Asahi Garasu Kenkyu Hokoku (Japan) v5 n1 p17-29 1955.

TT-66-27766 Field 11B

Okamura, T.
STUDY OF GAS COMPONENTS IN GLASS. PART V. ABSORPTION OF SO_2 IN MOLTEN GLASS.
BGIRA-449.
Order from BGIRA as BGIRA-449

Trans. of Asahi Garasu Kenkyu Hokoku (Japan) v5 n2 p1-13 1955.

TT-66-27767 Field 11B

Okamura, T.
STUDY OF GAS COMPONENTS IN GLASS. PART VI. ABSORPTION OF CO IN MOLTEN GLASS.
BGIRA-450.
Order from BGIRA as BGIRA-450

Trans. of Asahi Garasu Kenkyu Hokoku (Japan) v6 n2 p1-14 1956.

TT-66-27768 Field 11B

Okamura, T.; Uno, T.
STUDY OF GAS COMPONENTS IN GLASS. PART I.
BGIRA-447.
Order from BGIRA as BGIRA-447

Trans. of Asahi Garasu Kenkyu Hokoku (Japan) v2 n1 p1-10 1952.

TT-66-27771 Field 11B

Petrovskii, G.
CHEMICAL RESISTANCE OF GLASS IN THE SYSTEM SiO_2-Na_2O-BaO. BGIRA-460.
Order from BGIRA as BGIRA-460

Trans. of Silikaty (Czechoslovakia) v4 n2 p118-25 1960.

TT-66-27772 Field 11B

Polinkovskaya, A. I.; Taslitskaya, M. E.
PERFORMANCE OF BLOCKS MADE FROM QUARTZ GLASS. BGIRA-48.
Order from BGIRA as BGIRA-48

Trans. of Steklo i Keramika (USSR) v9 n6 p9-10 1952.

TT-66-27773 Field 11B

Raf, S. Ya.; Milyaeva, N. A.
SPEED OF MELTING AND REFINING FINELY GROUND BRIQUETTED BATCH. BGIRA-492.
Order from BGIRA as BGIRA-492

Trans. of mono. Scientific Works on Glass, Moscow, 1950 p71-5.

TT-66-27774 Field 11B, 13A

Rakowska, H.
GLASS MAKING POTS FROM POLISH MATERIALS. BGIRA-431.
Order from BGIRA as BGIRA-431

Trans. of Szklo i Ceramika (Poland) v11 n6 p8-15 1960.

TT-66-27778 Field 11B

Shmeleva, N. A.
AN ATTEMPT TO INCREASE THE OUTPUT AND IMPROVE THE QUALITY OF LEAD CRYSTAL GLASS. BGIRA-108.
Order from BGIRA as BGIRA-108

Trans. of Steklo i Keramika (USSR) v11 n9 p23-7 1954.

TT-66-27784 Field 11B

Strelov, K. K.; Duvalova, I. P.
THE DETERMINATION OF CHANNELABILITY OF PORES IN REFRACTORIES. BGIRA-426.
Order from BGIRA as BGIRA-426

Trans. of Ogneupory (USSR) v24 n3 p134-7 1959.

TT-66-28572 Field 11B

Kobeko, P. P.
THE STRUCTURE AND PROPERTIES OF ORGANIC GLASSES. FRI-Trans-87.
Order from FRI as FRI-trans.87

Trans. of mono. Symposium on the Structure of Glass, Leningrad, 1953 p19-25.

TT-66-28573 Field 11B

Levin, D. I.
RAYLEIGH SCATTERING IN GLASSES AND THE STRUCTURE OF GLASS. FRI-Trans-88.
Order from FRI as FRI-Trans.88

Trans. of mono. Symposium on the Structure of Glass, Leningrad, 1953 p198-201.

C. Coatings, colorants and finishes

NCH-207 555 Field 11C, 13H

Johannsen, R.
PROTECTIVE ACTION OF ORGANIC CORROSION INHIBITORS IN COATING FILMS. 22 Nov 66, 19p. TC-2644.
Order from TC: $17.00 as TC-2644

Trans. of Farbe und Lack (West Germany) v70 n3 p189-97 1964.

D. Composite materials

NCH-207 771 Field 11D, 11G, 11J

Dogadkin, B.; Lukomskaya, A.
STRUCTURE AND DIELECTRIC PROPERTIES OF CARBON BLACK-RUBBER MIXTURES. 10 Feb 67, 5p. ATS-53T98R.
Order from ATS: $8.50 as ATS-53T98R

Trans. of Akademiya Nauk SSSR. Doklady, v88 n6 p1015-8 1953.

E. Fibers and textiles

NCH-207 539 Field 11E

Radushkevich, B. V.
RHEOLOGICAL PROPERTIES OF FLUOROPLAST-4M AND SPINNING OF FIBERS THEREFROM. 22 Nov 66, 15p. TC-2494.
Order from TC: $14.00 as TC-2494

Trans. of Khimicheskie Volokna (USSR) n1 p17-22 1966.

NCH-207 561 Field 11E

Mayer, U.
THE SIGNIFICANCE OF ABSORPTION CURVES IN THE SELECTION OF CATIONIC DYES FOR DYEING POLYACRYLONITRILE FIBERS.
22 Nov 66, 14p. TC-2736.
Order from TC: $13.00 as TC-2736

Trans. of Melliand Textilberichte (West Germany) v47 n6 p653-7 1966.

NCH-207 615 Field 11E

Chen Show-Hsi; Chien Jen-Yuan.
THE EFFECT OF UNIAXIAL STRETCHING ON THE CRYSTALIZATION PROCESS OF POLYETHYLENE TEREPHTHALATE FIBER. 28 Nov 66, 6p. TC-2601.
Order from TC: $6.50 as TC-2601

Trans. of Kao Fen Tzu T'ung Hsun (Chinese People's Republic) v7 n4 p264-7 1965.

NCH-207 626 Field 11E

Jost, H.; Grobe, A.; Klare, H.
KINETIC INVESTIGATIONS OF THE REACTIONS PROCEEDING DURING THE FORMATION OF REGENERATED CELLULOSE FILAMENTS. 28 Nov 66, 13p. TC-2630.
Order from TC: $12.00 as TC-2630

Trans. of Faserforschung und Textiltechnik (East Germany) v14 n12 p522-7 1963.

NCH-207 746 Field 11E

Brosel, K.
STUDY OF SOME FACTORS INFLUENCING THE SQUEEZING EFFECT. 1966, 7p. ATS-17T98G.
Order from ATS: $11.45 as ATS-17T98G

Trans. of Deutsche Textiltechnik (East Germany) v16 n5 p309-13 1966.

TT-66-27752 Field 11E, 11F, 13A

Kucera, M.; Macenaver, A.
ISOTHERMAL POINTS IN PLATINUM FIBRE DRAWING FURNACE. BGIRA-511.
Order from BGIRA as BGIRA-511

Trans. of Veda a Vyzkum v Prumysla Sklarskem (Czechoslovakia) n3 p53-7 1957.

F. Metallurgy and metallography

NCH-206 636 Field 11F, 18B

Fedorov, G. B.; Smirnov, E. A.; Zhomov, F. I.
DIFFUSION AND THERMODYNAMIC PROPERTIES OF NICKEL-CHROMIUM ALLOYS. Aug 66, 11p (foreign text included). INC-trans-66/249.
Order from NLL

Trans. of Metallurgiya i Metallovedenie Chistykh Metallov (USSR) n4 p110-21 1963.

NCH-206 818 Field 11F

Steinrath, H.
EVALUATION OF CORROSION DANGER TO IRON AND STEEL IN SOIL. 30 Dec 66, 12p. ATS-61T96G.
Order from ATS: $16.75 as ATS-61T96G

Trans. of Gas Wasserfach (sic) v106 n49 p1361-5 1965.

NCH-207 371 Field 11F, 11B

SILVER COATING GLASS AND RELATED METHODS FOR PRODUCING THIN METAL COATINGS.
11 Oct 66, 19p. IICH-9111.
Order from IICH: $18.50 as IICH-9111

Trans. from Handbuch der Experimental Physik. Technik des Expts., n.p., 1926 p370-84.

NCH-207 398 Field 11F

Komarek, V.
REVERSION OF AN Al-Mg-Si-Fe ALLOY. Aug 66. MT-522.
Order from MT: $20.00 as MT-522

Trans. of Kovove Materialy (Czechoslovakia) v3 n2 p95-103 1965.

NCH-207 516 Field 11F

Buettinghaus, A.
SHORT-TIME TEST FOR DETERMINATION OF SUSCEPTIBILITY OF HIGH-STRENGTH CONSTRUCTIONAL STEELS TO LONG-TIME EMBRITTLEMENT.
27 Oct 66. BISI-4973.
Order from BISI: $9.80 as BISI-4973

Trans. of Stahl und Eisen (West Germany) v86 p542-7 1966.

NCH-207 517 Field 11F, 20B

Salesse, M.
STATISTICAL TEXTURES. 27 Oct 66. BISI-5002.
Order from BISI: $5.60 as BISI-5002

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) v253 p1331-3 1961.

NCH-207 532 Field 11F, 7D

Defraneux, J. M.
THE RESISTANCE OF STAINLESS STEELS TO CERTAIN AMMONIACAL SOLUTIONS. 3 Nov 66. BISI-5105.
Order from BISI: $5.60 as BISI-5105

Trans. of Chambre S.P.A.S. (sic) p84-8 26 Apr 65.

NCH-207 551 Field 11F

Roth, W.
THE QUESTION OF INVERSE INGOT SEGREGATION.
22 Nov 66, 16p. TC-2619.
Order from TC: $14.00 as TC-2619

Trans. of Zeitschrift fuer Metallkunde (West Germany) v56 p713-9 1965.

NCH-207 597 Field 11F

Rudinger, K.
THE TECHNOLOGICAL PROPERTIES AND CORROSION BEHAVIOR OF A TITANIUM ALLOY WITH 0.2% PALLADIUM. 28 Nov 66, 24p. TC-2201.
Order from TC: $17.00 as TC-2201

Trans. of Werkstoffe und Korrosion (West Germany) v16 n2 p109-15 1965.

NCH-207 598 Field 11F

Fokin, M. N.; Konstantinova, E. V.; Baru, R. A.
CORROSION OF NICKEL-CHROMIUM-MOLYBDENUM ALLOYS AND ANODICALLY PROTECTED TITANIUM IN HYDROCHLORIC ACID. 28 Nov 66, 11p. TC-2203.
Order from TC: $11.00 as TC-2203

Trans. of Khimicheskoe i Neftyanoe Mashinostroenie (USSR) n8 p19-23 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

NCH-207 734 Field 11F

Panebianco, B.; Bacchiega, R.
DEFORMATION PHENOMENA IN THE BOTTOMS OF ELECTROLYTIC REDUCTION CELLS FOR THE PRODUCTION OF ALUMINUM. 10 Feb 67, 17p. ATS-97T97I.
Order from ATS: $24.75 as ATS-97T97I

Trans. of Alluminio (Italy) v35 n2 p69-78 1966.

NCH-207 739 Field 11F

Solumar, K.; Zsindely, S.
THE EFFECT OF ORGANIC SUBSTANCES ON THE BAYER ALUMINUM OXIDE PROCESS. 10 Feb 67, 19p. ATS-05T98G.
Order from ATS: $28.85 as ATS-05T98G

Trans. of Freiberger Forschungshefte. Reihe B. Huettenwesenmetallurgie (West Germany) v103 p61-80 1965.

NCH-207 745 Field 11F, 20B

Eichkorn, G.; Fischer, H.
X-RAY STUDY OF INTERNAL STRESSES IN METAL

ELECTRODEPOSITED IN THE PRESENCE OF INHIBITORS. PT. 2: LATTICE DEFORMATIONS OF THE SECOND AND THIRD TYPE AND THEIR RELATIONSHIP TO HARDNESS. 10 Feb 67, 12p. ATS-38T98G.
Order from ATS: $26.75 as ATS-38T98G

Trans. of Zeitschrift fuer Metallkunde (West Germany) v57 n6 p457-64 1966.

NCH-207 766 Field 11F, 20M

Korobov, M. A.; Yanko, E. A.
CHARACTERISTICS OF HEAT TRANSFER IN ELECTROLYTIC ALUMINIUM REDUCTION CELLS. 10 Feb 67, 5p. ATS-02U99R.
Order from ATS: $10.00 as ATS-02U99R

Trans. of Tsvetnye Metally (USSR) v39 n11 p59-63 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27598 Field 11F

Shimose, T.; Takamura, A.; Mori, K.; Shimogori, K.
STRESS CORROSION CRACKING OF AUSTENITIC STAINLESS STEELS IN CHLORIDE SOLUTIONS. CE-Trans-4020.
Order from CEGB as CEGB-CE.Trans.4020

Trans. of Nihon Kinzoku Gakkaishi (Japan) v27 n11 p530-4 1963.

TT-66-27602 Field 11F

Hasegawa, T.; Terasaki, F.
ON THE AGED STRUCTURE OF HEAT RESISTING ALLOY A286 AND ITS FRACTURE PROCESS AT ELEVATED TEMPERATURES. CE-Trans-3165.
Order from CEGB as CEGB-CE.Trans.3165

Trans. of Tetsu to Hagane (Japan) v48 n11 p1586-91 1962.

TT-66-27661 Field 11F, 13A

Ungureanu, C.
FEEDWATER ALKALIZATION WITH AMMONIA TO PREVENT CORROSION IN H.P. STEAM BOILERS. CE-Trans-3164.
Order from CEGB as CEGB-CE.Trans.3164

Trans. of Energetica (Rumania) v10 n10 p420-4 1962.

TT-66-27719 Field 11F

Bogachev, I. N.; Mints, R. I.
PRINCIPLES FOR CHOOSING AUSTENITIC STEELS FOR COMPONENTS OPERATING IN CONDITIONS OF CAVITATIONAL EROSION. CE-Trans-3034.
Order from CEGB as CEGB-CE. Trans. 3034

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) v4 n2 p97-102 1961.

TT-66-28526 Field 11F

Ageev, N. A.; Skryabina, M. A.
THE DECOMPOSITION OF THE SOLID SOLUTION OF SILVER IN ALUMINIUM. FRI-Trans-3.
Order from FRI as FRI-trans.3

Trans. of Akademiya Nauk SSSR. Sektor Fiziko-khimicheskogo Analiza. Izvestiya, v15 p80-7 1947.

TT-66-28532 Field 11F

Rovinskii, B. M.; Gambashidze, N. D.
THE PERIODIC DISTRIBUTION OF SEGREGATIONS IN A COPPER BERYLLIUM ALLOY AFTER PROLONGED AGEING. FRI-Trans-16.
Order from FRI as FRI-Trans.16

Trans. of Akademiya Nauk SSSR. Doklady, v76 n3 p399-401 1951.

TT-66-28535 Field 11F, 20K

Lashko, N. F.
ON THE PRINCIPLE OF CONFORMITY IN THE THEORY OF PLASTIC DEFORMATION. FRI-Trans-21.
Order from FRI as FRI-Trans.21

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v20 n7 p880-3 1950.

TT-66-28537 Field 11F, 20B

Lashko, N. F.
ON THE RUPTURE OF METALS BY SLIPPING. FRI-Trans-28.
Order from FRI as FRI-Trans.28

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v20 n7 p884-7 1950.

TT-66-28538 Field 11F

Lyashenko, V. S.
ON THE PROBLEM OF THE ENERGETICS OF THE FORMATION AND PHASE TRANSFORMATIONS OF ALLOYS OF THE SYSTEM Al-Zn. FRI-Trans-29.
Order from FRI as FRI-Trans.29

Trans. of Akademiya Nauk SSSR. Izvestiya. Seriya Khimicheskaya, n3 p242-54 1951.

TT-66-28543 Field 11F

Kogan, V. S.; Pines, B. Ya.
ON THE METHOD OF OBTAINING ALLOYS OF VARYING CONCENTRATION. FRI-Trans-35.
Order from FRI as FRI-Trans.35

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v18 n3 p377-82 1948.

TT-66-28544 Field 11F, 13H

Palatnik, L. S.
ON THE THERMODYNAMIC INTERPRETATION OF EFFECTS IN AGEING ALLOYS. (PRESENTED BY ACADEMICIAN I. P. BARDIN, 3.9.51). FRI-Trans-36.
Order from FRI as FRI-Trans.36

Trans. of Akademiya Nauk SSSR. Doklady, v81 n1 p39-42 1951.

TT-66-28545 Field 11F, 13H

Luzhnikov, L. P.; Berg, L. G.
THE APPLICATION OF DIFFERENTIAL THERMOGRAPHY TO THE STUDY OF THE AGEING PROCESSES OF ALUMINIUM ALLOYS. FRI-Trans-37.
Order from FRI as FRI-trans.37

Trans. of Zavodskaya Laboratoriya (USSR) v14 n7 p824-8 1948.

TT-66-28547 Field 11F

Bagaryatskii, Yu. A.
ON THE QUESTION OF THE MECHANISM OF THE DECOMPOSITION OF SUPERSATURATED SOLID SOLUTIONS IN ALLOYS. FRI-Trans-45.
Order from FRI as FRI -Trans.45

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v21 n12 p1497-1503 1951.

TT-66-28548 Field 11F, 13H

Rovinskii, B. M.
CONTRIBUTION TO THE THEORY OF THE HARDENING OF METALS. II. ELECTRON DENSITY AND CHEMICAL DEFECTS IN THE LATTICE OF THE SOLID SOLUTION OF ALUMINIUM IN COPPER. FRI-Trans-48.
Order from FRI as FRI-Trans.48

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v22 n1 p63-6 1952.

TT-66-28549 Field 11F, 13H

Buinov, N. N.; Podrezov, L. I.
THE EFFECT OF PLASTIC DEFORMATION ON SUBSEQUENT DECOMPOSITION IN ALUMINIUM ALLOYS. FRI-Trans-51.
Order from FRI as FRI-Trans.51

Trans. of Akademiya Nauk SSSR. Doklady, v88 n4 p665-8 1953.

TT-66-28550 Field 11F

Berezhyani, V. M.
THE PHENOMENON OF REVERSION IN ARTIFICIALLY AGED ALLOYS OF THE TYPE Al-Cu-Mg AND DURALUMIN. FRI-Trans-54.
Order from FRI as FRI-Trans.54

Trans. of Akademiya Nauk SSSR. Doklady, v87 n4 p563 1952.

TT-66-28551 Field 11F

Bagaryatskii, Yu. A.
THE NATURE OF THE NATURAL AGEING OF ALUMINIUM ALLOYS. FRI-Trans-55.
Order from FRI as FRI-Trans.55

Trans. of Akademiya Nauk SSSR. Doklady, v87 n4 p559-62 1952.

TT-66-28553 Field 11F

Elistratov, A. M.
X-RAY INVESTIGATION OF THE INITIAL STAGES IN THE AGEING OF BERYLLIUM BRONZE. FRI-Trans-57.
Order from FRI as FRI-Trans.57

Trans. of Akademiya Nauk SSSR. Doklady, v88 n4 p669-72 1953.

TT-66-28554 Field 11F

Pugachevich, P. P.; Altynov, I. P.
TEMPERATURE DEPENDENCE OF THE SURFACE TENSION OF BISMUTH AND ITS ALLOYS WITH SODIUM AND POTASSIUM. FRI-Trans-58.
Order from FRI as FRI-Trans.58

Trans. of Akademiya Nauk SSSR. Doklady, v86 n1 p117-9 1952.

TT-66-28557 Field 11F

Arkharov, V. I.; Polikarpova, I. P.
EFFECT OF SMALL ADDITIONS OF IRON ON THE DECOMPOSITION OF SUPERSATURATED SOLID SOLUTIONS OF SILVER IN COPPER. FRI-Trans-64.
Order from FRI as FRI-Trans.64

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v24 n7 p1244-6 1954.

TT-66-28558 Field 11F, 7D

Shamrai, F. I.; Saldau, P. Ya.
EQUILIBRIUM DIAGRAM FOR THE SYSTEM ALUMINIUM-LITHIUM. FRI-Trans-65.
Order from FRI as FRI-Trans.65

Trans. of Akademiya Nauk SSSR. Otdelenie Matematicheskikh i Estestvennykh Nauk. Izvestiya, p631-40 1937.

TT-66-28559 Field 11F

Bagaryatskii, Yu. A.
MECHANISM OF THE ARTIFICIAL AGEING OF AN Al-Cu-Mg ALLOY. FRI-Trans-66.
Order from FRI as FRI-Trans.66

Trans. of Akademiya Nauk SSSR. Doklady, v87 n3 p397-400 1952.

TT-66-28567 Field 11F

Magat, L. M.; Noskova, N. I.
THE EFFECT OF SMALL ADDITIONS OF SILVER OR ZINC ON THE SOLUBILITY OF COPPER IN ALUMINIUM. FRI-Trans-75.
Order from FRI as FRI-Trans.75

Trans. of Fizika Metallov i Metallovedenie (USSR) v1 n2 p307-10 1955.

TT-66-28568 Field 11F

Buinov, N. N.
THE AGEING OF AN Al-Cu ALLOY. FRI-Trans-76.
Order from FRI as FRI-trans.76

Trans. of Fizika Metallov i Metallovedenie (USSR) v1 n2 p339-48 1955.

TT-66-28574 Field 11F, 20B

Smirnov, A. A.; Stoyanov, I. A.
INFLUENCE OF INTERSTITIAL ATOMS ON THE ORDERING OF AN ALLOY. FRI-Trans-91.
Order from FRI as FRI-trans.91

Trans. of Fizika Metallov i Metallovedenie (USSR) v2 n3 p524-30 1956.

TT-66-28575 Field 11F

Arkharov, V. I.; Noskova, N. I.
INFLUENCE OF ADDITIONS OF SILVER OR ZINC TO ALUMINIUM ON THE RATE OF DIFFUSION OF COPPER. FRI-Trans-92.
Order from FRI as FRI-trans.92

Trans. of Fizika Metallov i Metallovedenie (USSR) v2 n3 p472-6 1956.

TT-66-28577 Field 11F

Grin, A. V.; Pavlov, V. A.
INTERNAL FRICTION IN DEFORMED ALLOYS OF THE alpha-SOLID SOLUTION OF ALUMINIUM WITH MAGNESIUM. FRI-Trans-96.
Order from FRI as FRI-trans.96

Trans. of Fizika Metallov i Metallovedenie (USSR) v3 n1 p179-80 1956.

TT-66-28583 Field 11F

Klark, G. B.
THE INFLUENCE OF CLIMATIC CONDITIONS ON THE CORROSION CRACKING OF BRASSES. FRI-Trans-196.
Order from FRI as FRI-Trans.196

Trans. of Akademiya Nauk SSSR, Institut Fizicheskoi Khimii. Trudy, v8 p110-29 1960.

TT-67-30921 Field 11F, 13H

EAST EUROPEAN SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 10. 15 Mar 67, 83p. JPRS-40275.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30921

TT-67-30934 Field 11F, 13H

Vavilov, V.; Zolotov, B.; Lomako, P.; Teumin, I. I.; Lupakov, I. S.
USSR INDUSTRIAL DEVELOPMENT: METALLURGY AND MINERALS NO. 43. 18 Mar 67, 37p, 3refs. JPRS-40288.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30934

Trans. from Ekonomicheskaya Gazeta (USSR) n7 p6-7, 23-6 1967 and of Stal (USSR) n9 p834-6 1966.

TT-67-31030 Field 11F, 11I, 13H

USSR SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 27. 24 Mar 67, 36p. JPRS-40385.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31030

G. Miscellaneous materials

NCH-207 748 Field 11G, 20C

Vinogradov, O. A.
MAGNETIZATION REVERSAL OF THIN FERROMAGNETIC FILMS BY MEANS OF TWO-DIRECTIONAL ROTATION. 1966, 11p. ATS-14T98G.
Order from ATS: $17.75 as ATS-14T98G

Trans. of Physica Status Solidi (East Germany) v15 p377-86 1966.

NCH-207 776 Field 11G

Neiman, M. B.; Miller, V. B.
MECHANISM OF THE ACTION OF ANTIOXIDANTS. 10 Feb 67, 24p. ATS-11T98R.
Order from ATS: $33.65 as ATS-11T98R

Trans. of Vsesoyuznoe Khimicheskoe Obshchestvo. Zhurnal (USSR) v11 n3 p247-61 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-30891 Field 11G

Wisniewska, B.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 505. Investment Problems in the Leather Industry. 13 Mar 67, 11p. JPRS-40245.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30891

Trans. of Zycie Gospodarcze (Poland) n9 p1, 4-5 1967.

H. Oils, lubricants, and hydraulic fluids

NCH-205 491 Field 11H

Schilling, A.
MECHANICAL TESTS OF LUBRICATING GREASES. 24 Jun 66, 42p. ATS-75T92F.
Order from ATS: $49.75 as ATS-75T92F

Trans. of Revue de l'Institut Francais du Petrole et Annales des Combustibles Liquides, v19 n1 p94-128 1964.

I. Plastics

TT-66-15522 Field 11I

Takemoto, K.
IMPROVEMENT OF PVC BY CHEMICAL REACTIONS. 16p, 38refs.
Order from SLA: $1.60 as TT-66-15522

Trans. of PVC and Polymers (Japan) v5 n4 p28-34 1965.

J. Rubbers

NCH-207 616 Field 11J

Kern, W. F.
CONTRIBUTION TO THE STUDY OF THE COEFFICIENT OF FRICTION OF WET TIRE TREADS. 28 Nov 66, 35p. TC-2602.
Order from TC: $19.00 as TC-2602

Trans. of Kautschuk und Gummi (West Germany) v19 n2 p91-102 1966.

K. Solvents, cleaners and abrasives

NCH-207 362 Field 11K

Kurz, J.
STAIN REPELLENT FINISHES IN DRY CLEANING.
11 Oct 66, 10p. IICH-9098.
Order from IICH: $10.00 as IICH-9098

Trans. of Faerber-Zeitung (sic) v6 p240-2 1966.

NCH-207 625 Field 11K

Pfrengle, O.; Pietruck, C.
A NEW PROCEDURE FOR MEASURING THE CLEANSING POWER OF TOOTH CLEANSERS.
28 Nov 66, 8p. TC-2629.
Order from TC: $7.00 as TC-2629

Trans. of Fette Seifen Anstrichmittel (West Germany) v68 p44-7 1966.

L. Wood and paper products

NCH-207 109 Field 11L, 11A

Treiber, H.
STEREOMETRIC ADAPTATION IN THE GLUING OF HIGH POLYMERS, PARTICULARLY WOOD CHIPS (Die Raeumliche Anpassung bei der Verleimung von Hochpolymeren Stoffen, Insbesondere von Holzspan-gemischen). 1966, 40p, refs. ODF-tr-59; NRC-C-6294.
Order from NRC as C-6294

Trans. of Holz als Roh- und Werkstoff (West Germany) v23 n8 p319-31 1965.

NCH-207 533 Field 11L, 7A

Odintsov, P. N.; Katkevich, R. G.
ON THE QUESTION CONCERNING INVESTIGATION OF URONIC ACIDS OF WOODS. 22 Nov 66, 9p. TC-2246.
Order from TC: $9.00 as TC-2246

Trans. of Akademiya Nauk Latviiskoi SSR, Riga. Izvestiya. Seriya Khimiya, n2 p244-50 1965.

TT-67-61092 Field 11L, 2F

LONG TERM PROSPECT OF DEMAND FOR FORESTRY PRODUCTS. Oct 66, 14p. FS-Trans-545.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61092

Trans. of Unidentified mono., Tokyo, 1962 24p.

12 MATHEMATICAL SCIENCES

A. Mathematics and statistics

TT-66-27603 Field 12A

Faddeeva, V. N.
THE APPLICATION OF THE METHOD OF STRAIGHT LINES TO CERTAIN BOUNDARY VALUE PROBLEMS. CE-Trans-4004.
Order from CEGB as CEGB-CE.Trans.4004

Trans. of Akademiya Nauk SSSR. Matematicheskii Institut. Trudy, v28 p73-103 1949.

TT-67-30926 Field 12A

Kloss, B. M.; Malyshev, V. A.
DETERMINATION OF THE REGULARITY OF AN AUTOMATION BY ITS CANONICAL EQUATIONS.
16 Mar 67, 9p, 2refs. JPRS-40280.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30926

Trans. of Akademia Nauk SSSR, Doklady, v172 n3 p543-6 1967.

TT-67-61286 Field 12A

Roizenvaser, L. S.
QUASI-ENERGY INTEGRALS OF THE EQUATIONS OF MOTION OF A VARIABLE-MASS POINT. 1967, 4p, 3refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61286

Trans. of Akademiya Nauk Tadzhikskoi SSR, Dushanbe. Doklady, v9 n5 p7-10 1966.

TT-67-61297 Field 12A

Minoshin, R. N.
FIRST MEMBERS OF THE ASYMPTOTIC FOR THE PROBABILITY OF NO EXCURSION OF A RANDOM PROCESS BEYOND AN INCLINED LEVEL. 1967, 4p, 4refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61297

Trans. of Leningrad Univ. Vestnik (USSR) v21 n19, Seriya Matematiki, Mekhaniki i Astronomii, n4 p99-102 1966.

TT-67-61311 Field 12A

Akhiezer, N. I.; Shcherbina, V. A.
ON THE INVERSION OF SOME SINGULAR INTEGRALS. 1967, 7p, 3refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61311

Trans. of Kharkov Univ. Fakulta Mekhaniki ta Matematiki ta Kharkovskoi Matematicheskoi Obshchestvo. Zapiski (USSR) v25 p191-8 1957.

TT-67-61329 Field 12A

Babushkin, S. A.
MATHEMATICAL CONDITIONS OF PHYSICAL FEASIBILITY IN INVARIANT AUTOMATIC AND GYROSCOPIC SYSTEMS (Mathematicheskie Usloviya Fizicheskoi Osushchestvimosti v Invaryantiykh Avtomaticheskikh i Giroskopichestkikh Sistemakh). 6 Dec 66, 37p, 15refs. FTD-MT-65-565; AD-648 889.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 889

Edited machine trans. of mono. Teoriya Invaryantnosti v Sistemakh Avtomaticheskogo Upravleniya, Moscow, 1964 p65-83, also pub. as Vsesoyuznoe Soveschanie po Teorii Invaryantnost i Ee Primeneniyu v Avtomaticheskikh

Sistemakh (no. 2) Kiev, 29 May-1 Jun 62. Trudy, Moscow, 1964 p65-83.
Theory of Non-Variants in Automatic Control Systems. Transactions of the All-Union Council on the Theory of Non-Variance and Its Application to Automatic Systems (no. 2) Kiev, 29 May-1 Jun 62.

TT-67-61359 Field 12A

Privalov, A. A.
ON DIVERGENCE OF INTERPOLATION PROCESSES AT A FIXED POINT. Tr. by T. N. E. Greville. Nov 66, 27p, 6refs. MRC-TSR-709; AD-649 095.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 095

Trans. of Matematicheskii Sbornik (USSR) v66(108) p272-86 1965.

TT-67-61360 Field 12A

Dzyadyk, V. K.; Galan, D. M.
ON APPROXIMATION OF ANALYTIC FUNCTIONS ON DOMAINS WITH SMOOTH BOUNDARY. Tr. by T. N. E. Greville. Nov 66, 26p, 6refs. MRC-TSR-712; AD-649 078.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 078

Trans. of Ukrainskii Matematicheskii Zhurnal (USSR) v17 p26-38 1965.
Contract DA-31-124-ARO-D-462

13 MECHANICAL, INDUSTRIAL, CIVIL, AND MARINE ENGINEERING

A. Air conditioning, heating, lighting and ventilating

NCH-207 452 Field 13A

Litvinov, V. S.; Khoder, M. M.; Roshchin, E. V.
LIFE OF FLUORESCENT LAMPS IN A REGIME OF CONTINUOUS BURNING (O Sroke Slushby Lyuminestsentnykh Lamp v Rezhime Nepreryvnovo g Goreniya). Sep 66, 18p, refs. RTS-3511.
Order from NLL: 15s as RTS-3511

Trans. of Svetotekhnika (USSR) v11 n2 p10-5 1965.

NCH-207 488 Field 13A, 6P

Krol, Ts. L.; Tishchenko, G. A.
THE DISTRIBUTION OF LUMINANCE IN THE FIELD OF VIEW AND VISUAL EFFICIENCY (Raspredelenie Yarkosti v Pole Zreniya i Zritelnaya Rabotosposobnost). Jun 66, 15p, 7refs. RTS-3229.
Order from NLL: 15s as RTS-3229

Trans. of Svetotekhnika (USSR) v10 n10 p1-7 1964.

B. Civil engineering

TT-67-30983 Field 13B, 2C, 5C

AFRICA: TRANSLATIONS NO. 518. 22 Mar 67, 29p. JPRS-40338.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30983

C. Construction equipment, materials and supplies

NCH-205 479 Field 13C

Soda, T.; Maekawa, A.; Murata, A.
SIZE DISTRIBUTION OF AIR VOIDS AND THE DURABILITY OF AIR-ENTRAINED MORTAR AND CONCRETE. 24 Jun 66, 17p. ATS-95S88J.
Order from ATS: $24.85 as ATS-95S88J

Trans. of Semento Konkurito (Japan) n163 p22-8 1960.

NCH-207 519 Field 13C, 13H, 20K

Peter, H.
EXPERIENCE IN THE CEMENT INDUSTRY WITH WEAR-RESISTANT STEEL CASTINGS. 27 Oct 66. BISI-5036.
Order from BISI: $7.00 as BISI-5036

Trans. of Giesserei (West Germany) v53 p436-9 1966.

TT-66-27596 Field 13C, 11B

Branis, A.; Ionescu, T. D.
POZZOLANIC BARIUM CEMENTS. CE-Trans-3630.
Order from CEGB as CEGB-CE.Trans.3630

Trans. of Academia Republicii Populare Romine. Studii si Cercetari de Chimie (Rumania) v10 n2 p225-33 1962.

TT-66-28496 Field 13C, 20K

Soloviev, A. A.
CALCULATION OF THE TRACTIVE CAPACITY OF A DRIVE WITH A SET OF ROLLERS CLASPED BY A CONVEYOR BELT (O Raschete Tyagovoi Sposobnosti Privoda s Batareei Rolikov, Prizhimaemykh Konveiernoi Lentoi). 6p. CSIR-tr-587.
Order from CSIR as CSIR-tr.587

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Gornyi Zhurnal (USSR) v5 n4 p92-5 1962.

TT-66-28506 Field 13C, 13K, 13G

Shmalko, V. G.
AUTOMATIC REGULATION DEVICE FOR PNEUMATIC CEMENT PUMPS.
Order from Pargas

Trans. of Tsement (USSR) v32 n3 p19 1966.

TT-66-28507 Field 13C, 13A

Bush, L. P.
A CEMENT COOLER.
Order from Pargas

Trans. of Tsement (USSR) v32 n3 p17 1966.

TT-66-28508 Field 13C

Royak, S. M.; Zlotskii, M. A.
REGULATION OF THE GRANULOMETRIC COMPOSITION OF CEMENT IN OPEN CIRCUIT MILLS. 8p.
Order from Pargas

Trans. of Tsement (USSR) v32 n5 p9-11 1966.

TT-66-28509 Field 13C

Rybkin, V. D.
IMPROVEMENTS IN THE CALCINING ZONE TEMPERATURE INDICATOR. 2p.
Order from Pargas

Trans. of Tsement (USSR) v32 n4 p23 1966.

TT-67-30892 Field 13C

Pankov, A.; Kalashnikov, N.; Teleshevskii, M.
USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 65. 13 Mar 67, 22p. JPRS-40246.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30892

Trans. from Ekonomicheskaya Gazeta (USSR) n2 p16 Jan 1967 and Stroitelnaya Gazeta (USSR) 18 Jan p1, 3; 25 Jan p1, 3 1967.

TT-67-30915 Field 13C

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: MATERIALS SCIENCE AND METALLURGY NO. 18. 15 Mar 67, 41p. JPRS-40269.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30915

Abstract trans. of Chien Chu Ts'ai Liao (Chinese People's Republic) n12 p2-35; n14 p2-35 1963; n2 p2-35 1964; n8 p2-35; n12 p2-35 1965.

TT-67-31022 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 66. 24 Mar 67, 31p. JPRS-40377.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31022

TT-67-31062 Field 13C

USSR INDUSTRIAL DEVELOPMENT: CONSTRUCTION, CONSTRUCTION MACHINERY, AND BUILDING MATERIALS NO. 67. 27 Mar 67, 10p. JPRS-40417.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31062

Trans. from Sovetskaya Torgovlya (USSR) 2 Mar p1 1967 and of Narodnoe Khozyaistvo Uzbekistana (USSR) n1 p51-3 1967.

D. Containers and packaging

NCH-207 544 Field 13D

Holter, R.
COMPASS AND REGISTRATION STABILITY IN THE PACKING PRESSURE. 22 Nov 66, 12p. TC-2587.
Order from TC: $9.00 as TC-2587

Trans. of Verpackungsrundschau (West Germany) v12 n2 p103-6, 108 1961.

F. Ground transportation equipment

TT-67-30857 Field 13F

Halmos, L.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 503. 10 Mar 67, 17p. JPRS-40211.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30857

Trans. of Kozlekedesi Kozlony (Hungary) n4 p66-8 1967 and Lupta CFR (Rumania) v23 n1138 p1, 3 1967.

TT-67-30860 Field 13F, 2B

Heine, W.; Mateescu, C. T.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 504. 10 Mar 67, 32p. JPRS-40214.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30860

Trans. of Signal und Schiene (East Germany) n1 p6-8 1967 and Probleme Economice (Rumania) n1 p92-108 1967.

TT-67-30951 Field 13F

St. Barbov, T.; Maroiu, M.
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 506. 20 Mar 67, 25p, refs. JPRS-40306.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30951

Trans. of Khimiya i Industriya (Bulgaria) n7 p322-6 1966 and from Lupta CFR (Rumania) n1141 p1, 3 17 Feb 1967.

TT-67-31002 Field 13F, 13B, 5D

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 507. 23 Mar 67, 21p. JPRS-40357.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31002

TT-67-31009 Field 13F, 5C

EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 512. 29 Mar 67, 31p. JPRS-40454.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31099

TT-67-31015 Field 13F, 2C

USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 46. 23 Mar 67, 14p. JPRS-40370.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31015

TT-67-31046 Field 13F, 13J

USSR TRANSPORTATION: TRANSLATIONS NO. 176. 27 Mar 67, 49p. JPRS-40401.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31046

TT-67-31061 Field 13F, 2C

Ryabov, V.; Shcheptkin, V.; Gavrilenko, N.
USSR INDUSTRIAL DEVELOPMENT: AUTOMOTIVE AND TRACTOR INDUSTRY NO. 47. 27 Mar 67, 13p. JPRS-40416.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31061

Trans. from Selskaya Zhizn (USSR) 1 Mar p2 1967 and of Rabochaya Gazeta (USSR) 15 Feb p3 1967.

G. Hydraulic and pneumatic equipment

NCH-207 802 Field 13G

Graf, L. E.
NEW TECHNIQUE OF HYDRAULIC-PERCUSSION DRILLING. 1966, 9p. ATS-32T96R.
Order from ATS: $11.85 as ATS-32T96R

Trans. of Razvedka i Okhrana Nedr (USSR) v32 n4 p31-8 1966.

TT-67-61334 Field 13G, 20D

Khristianovich, S. A.; Ryabinkov, G. M.
USE OF EJECTORS IN GAS COLLECTOR SYSTEMS (Primenenie Ezhektorov v Gazosbornykh Setyakh). 7 Dec 66, 30p. FTD-HT-66-365; AD-649 035.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 035

Unedited rough draft trans. of Akademiya Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, Izvestiya, n3 p313-28 1946.

H. Industrial processes

NCH-205 902 Field 13H

Bruzon, G.
WELDING TECHNIQUES IN THE CONSTRUCTION OF STEAM TURBINE SHAFTS. 18 Aug 66. BISI-5023.
Order from BISI: $28.00 as BISI-5023

Trans. of Society of Welding Engineers, 19 Mar 1964. Paper, n.p., n.d.

NCH-207 279 Field 13H, 11F

Caprio, G.; Nicodemi, W.
EXPERIMENTAL STUDY OF MANUFACTURE OF COLD-HEADED AND THREAD ROLLED SCREWS IN AISI 305 STAINLESS STEEL. 9 Jun 66. BISI-4640.
Order from BISI: L10 10s as BISI-4640

Trans. of Centro Inox. Publ. (sic) 1965, 20p.

NCH-207 284 Field 13H, 11F

Peiter, A.
STRESS-RELIEVING OF DRAWN MATERIAL BY STRETCHING, STRAIGHTENING AND ANNEALING. 9 Jun 66. BISI-4836.
Order from BISI: L5 10s as BISI-4836

Trans. of Zeitschrift fuer Metallkunde (West Germany) v57 p1-8 1966.

NCH-207 291 Field 13H, 11F

Ledune, J.
THE FORGES DE LA PROVIDENCE LK-KALDO STEELWORKS AT MARCHIENNE. 16 Jun 66. BISI-4714.
Order from BISI: L6 10s as BISI-4714

Trans. of C.N.R.M. (sic) p33-45 1965.

NCH-207 512 Field 13H, 13A

Thierry, P.; Szczeniowski, J.
METHODS OF MODIFYING TOP GAS COMPOSTION AND THEIR INFLUENCE ON THE UTILIZATION OF HEAT IN THE BLAST FURNACE. 27 Oct 66. BISI-4654.
Order from BISI: $26.60 as BISI-4654

Trans. of Revue de Metallurgie (France) v47 n7 p739-59 1950.

NCH-207 515 Field 13H

Kawakita, T.
STUDIES ON THE SHARPNESS OF BLADES. III. ON THE FINISHING OF BLADE EDGES BY ELECTROLYTIC POLISHING. 27 Oct 66, BISI-4965.
Order from BISI: $28.00 as BISI-4965

Trans. of Nihon Kinzoku Gakkaishi (Japan) v21 p96-9 1957.

NCH-207 518 Field 13H, 13A

Wysocki, H.; Puckoff, U.
CONTRIBUTION TO KNOWLEDGE OF THE PROCESSES TAKING PLACE IN FRONT OF THE TUYERES IN THE BLAST FURNACE. 27 Oct 66. BISI-5021.
Order from BISI: $14.00 as BISI-5021

Trans. of Stahl und Eisen (West Germany) v86 p761-70 1966.

NCH-207 520 Field 13H, 11F

Vodcpivec, F.
STUDY OF THE MACHINABILITY OF FREE-CUTTING STEELS USING RADIOACTIVE TOOLS. 27 Oct 66. BISI-5077.
Order from BISI: $14.00 as BISI-5077

Trans. of Revue de Metallurgie (France) v63 p407-13 1966.

NCH-207 525 Field 13H

Mazanek, K.
PHENOMENON OF SULPHUR PASSING FROM THE BLACKING. 3 Nov 66. BISI-4971.
Order from BISI: $21.00 as BISI-4971

Trans. of Instytut Odlewnictwa. Prace (Poland) n1/2 p75-97 1964.

NCH-207 764 Field 13H

Aleksandrov, I. A.
VAPOR CAPACITIES OF SIEVE PLATES IN FRACTIONATING COLUMNS. 1966, 9p. ATS-79T97R.
Order from ATS: $14.85 as ATS-79T97R

Trans. of Spirtovaya Promyshlennost (USSR) v29 n1 p6-12 1963.

TT-66-27754 Field 13H, 7B

Kupf, V.
THE DETERMINATION OF THE CONCENTRATION OF

SULPHURIC AND HYDROFLUORIC ACIDS IN POLISHING BATHS. BGIRA-519.
Order from BGIRA as BGIRA-519

Trans. of Silikaty (Czechoslovakia) v5 n4 p328-32 1961.

TT-67-30894 Field 13H

Malkowski, D.; Jerzmanowski, R.
EAST EUROPEAN MATERIALS INDUSTRIES: TRANSLATIONS NO. 342. 13 Mar 67, 16p. JPRS-40248.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30894

Trans. of Fertigungstechnik und Betrieb (East Germany) v17 n2 p125-6 1967 and Przeglad Odlewnictwa (Poland) n1 p2-4 1967.

TT-67-61287 Field 13H, 11F

Slavin, G. A.; Sekretarev, E. S.; Savchuk, V. P.;
AUTOMATIC WELDING OF ALUMINUM ALLOYS IN A VERTICAL POSITION BY A PULSED TUNGSTEN ARC. 1967, 7p, 2refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61287

Trans. of Svarochnoe Proizvodstvo (USSR) n9 p18-20 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61289 Field 13H

Samoilovich, Ya. A.
ON APPROXIMATE METHODS OF ANALYZING THE SOLIDIFICATION OF CASTINGS. 1967, 7p, 7refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61289

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v11 n5 p651-7 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61356 Field 13H, 20K

Stenko, B. P.
DETERMINATION OF STRESSES IN THE PROCESS OF FORCED PRECISION PRESSING OF PARTS (K Voprosu Opredeleniya Usilii v Protsesse Silovogo Obdavlivaniya Detalei s Utoneniem). 19 Jan 67, 16p, 3refs. FTD-MT-66-138; AD-649 041.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-649 041

Edited machine trans. of Aviatsionnyi Institut, Kazan. Trudy (USSR) n84 p85-94 1964.

I. Machinery and tools

NCH-207 141 Field 13I

Barz, E.
CIRCULAR SAW BLADES HAVING PERFORMANCE CHARACTERISTICS THAT ARE INDEPENDENT OF RESIDUAL STRESSES (Kreissaegeblaetter mit von Eigenspannungen Unabhaengigen Eigenschaften). 1966, 25p, refs. ODF-tr-58; NRC-C-6262.
Order from NRC as C-6262

Trans. of Halz als Rah- und Werkstoff (West Germany) v23 n12 p484-91 1965.

NCH-207 486 Field 13I, 13H

Sprishevskii, A. I.; Makarov, L. M.
ALL-ROUND MECHANISATION AND AUTOMATION IN THE BEARING INDUSTRY (Kompleksnaya Mekanisatsiya i Avtomatizatsiya v Podshipnikovoi Promyshlennosti). Jun 66, 18p, refs. RTS-3300.
Order from NLL: 17s 6d as RTS-3300

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) n5 p1-7 1961.

TT-66-27669 Field 13I

Lisicki, A.
CONSIDERATION OF THE INFLUENCE OF THE CENTRIFUGAL FORCE IN THE INVESTIGATION OF TURBINE BLADING VIBRATIONS. PARTS I AND II. CE-Trans-3262/3263.
Order from CEGB as CEGB-CE.Trans.3262,3263

Trans. of Gospodarka Cieplna. Energetyka Przemyslowa (Poland) v10 n1 p37-40, v10 n2 p77-9 1962.

TT-66-27670 Field 13I, 7D

Serwa, W.
EXPERIENCE IN THE STUDY OF VIBRATIONS IN TURBINE BLADES PARTS I AND II. CE-Trans-3235.
Order from CEGB as CEGB-CE.Trans.3235

Trans. of Gospodarka Cieplna. Energetyka Przemyslowa (Poland) v10 n4 p153-6, v10 n5 p189-91 1962.

TT-66-27671 Field 13I, 13E

Mustafin, Ch. G.
SELECTION OF BLADE ROOT FIXING FOR TURBINES WORKING AT HIGH TEMPERATURES. CEGB-EE-Trans-850.
Order from CEGB as CEGB-EE.Trans.850

Trans. of Energomashinostroenie (USSR) v9 n2 p43-6 1963.

TT-66-27672 Field 13I

Kovacs, A.
FREQUENT FAILURES IN TURBINE BLADES. CE-Trans-2985.
Order from CEGB as CEGB-CE.Trans.2985

Trans. of Energia es Atomtechnika (Hungary) v15 n1 p4-9 1962.

TT-67-31018 Field 13I

USSR INDUSTRIAL DEVELOPMENT: METAL-WORKING EQUIPMENT NO. 212. 23 Mar 67, 14p. JPRS-40373.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31018

TT-67-31049 Field 13I

Georgi, R.; Pantilie, N.
EAST EUROPEAN MACHINERY INDUSTRIES: TRANSLATIONS NO. 17. 27 Mar 67, 14p. JPRS-40404.
Order from CFSTI or ETC: HC$3.00, MF$0.65

as TT-67-31049

Trans. of Presse Informationen (East Germany) n25 2p 1967 and Scinteia (Rumania) v36 n7250 p1, 3 1967.

TT-67-61332 Field 13I

Pospelov, G. A.
EFFECT OF RADIAL CLEARANCE OF JOURNAL STABILITY IN GAS-LUBRICATED BEARINGS (O Vliyanii Radialnogo Zazora na Ustoichivost Shipa v Aerodinamicheskikh Podshipnikakh). 20 Dec 66, 15p, 4refs. FTD-TT-65-1404; AD-649 033.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 033

Edited trans. of Aviatsionnyi Institut, Kazan. Trudy (USSR) n81 p69-80 1963.

J. Marine engineering

NCH-207 427 Field 13J

Tashiro, S.
ON THE STATICAL LONGITUDINAL BENDING MOMENT OF SHIPS. 1966. BSRA-2456.
Order from BSRA: L5 as BSRA-2456

Trans. of Zosen Koykai Kaishi (Japan) n102 p151 1958.

TT-66-27792 Field 13J, 20D

Chudinov, S. D.
UNIVERSAL FORMULA FOR THE WETTED SURFACE OF A SHIP. BSRA-2452.
Order from BSRA: L5 as BSRA-2452

Trans. of Korablestroitelnyi Institut, Leningrad. Trudy (USSR) n48 p55 1965.

TT-66-27794 Field 13J

Tashiro, S.
ON THE STATICAL LONGITUDINAL BENDING MOMENT OF SHIPS. BSIRA-2456.
Order from BSRA: L5 as BSRA-2456

Trans. of Zosen Kyokai Rombunshu (Japan) v102 p151 1958.

TT-67-30936 Field 13J, 21E, 13H, 20K

USSR SCIENTIFIC ABSTRACTS: ENGINEERING AND EQUIPMENT NO. 36. 16 Mar 67, 140p. JPRS-40290.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30936

TT-67-31082 Field 13J

Krstulovic, V.;
EAST EUROPEAN SERVICE INDUSTRIES: TRANSLATIONS NO. 511. 28 Mar 67, 23p. JPRS-40437.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31082

Trans. of Pomorstvo (Yugoslavia) n1 p5-6, 13-5 1967.

K. Pumps, filters, pipes, fittings, tubing and valves

TT-66-27675 Field 13K, 20D

Loshkarev, A. I.
DETERMINATION OF EXIT ANGLES FOR FLOW FROM RADIALLY-CIRCULAR BLADE RINGS.
CEGB-EE-Trans-894.
Order from CEGB as CEGB-EE.Trans. 894

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinostroenie (USSR) n2 p147-52 1962.

L. Safety engineering

NCH-207 429 Field 13L

Engerrand, M. J.
SPECIAL SAFETY PROBLEMS IN LIQUEFIED-GAS CARRIERS. 1966. BSRA-2444.
Order from BSRA: L5 as BSRA-2444

Trans. of Bulletin Technique du Bureau Veritas (France) v48 p45 Mar; p65 Apr 1966.

M. Structural engineering

NCH-207 136 Field 13M, 13C

Emelyanov, A. A.
EXPANSION JOINTS IN MASONRY WALLS OF INDUSTRIAL BUILDINGS (O Temperaturnykh Shvakh v Kamennykh Stenakh Promyshlennykh Zdanii).
Tr. by H. R. Hayes. 1966, 11p. NRC-TT-1257; NRC-DBR-153; NRC-C-6212.
Order from NRC: $1.00 as C-6212

Trans. of Promyshlennoe Stroitelstvo (USSR) n5 p17-20 1965.

TT-66-27601 Field 13M, 7D, 13E

Calusinski, B.; Gallar, J.; Skorupa, A.
TESTING OF WELDED JOINTS IN STEEL STRUCTURES BY MEANS OF A MAGNETIC DEFECTOSCOPE ZSK - 2[1]. CE-Trans-4050.
Order from CEGB as CEGB-CE.Trans.4050.

Trans. of Przeglad Spawalnictwa (Poland) v15 n10 p228-9 1963.

TT-66-27665 Field 13M

Ledwon, J.
SOME PROBLEMS IN THE DESIGN AND COMPUTATION OF HYPERBOLOIDAL CONCRETE SHELLS OF COOLING TOWERS. CE-Trans-3196.
Order from CEGB as CEGB-CE-Trans.3196

Trans. of Inzynieria i Budownictwo (Poland) v19 n1 p8-13 1962.

TT-66-27795 Field 13M

CURVED SHELL ASSEMBLY METHOD. BSRA-2457.
Order from BSRA: L5 as BSRA-2457

Trans. of Zosen Kyokai Kaishi (Japan) n349 p429 1958.

TT-67-61395 Field 13M, 13H

Bersudskii, V. E.; Krysin, V. N.; Lesnykh, S. I.
PRODUCTION OF HONEYCOMB CONSTRUCTIONS.
13 Jan 67, 241p, 66refs. FTD-MT-66-105;
AD-649 422.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-649 422

Edited machine trans. of mono. Proizvodstvo Sotovykh Konstruktsii, Moscow, 1966 282p.

14 METHODS AND EQUIPMENT

B. Laboratories, test facilities, and test equipment

TT-67-31045 Field 14B, 9C

NEWS OF HIGHER EDUCATIONAL INSTITUTIONS, INSTRUMENT BUILDING, VOL. 9, NO. 6, 1966.
27 Mar 67, 156p, refs. JPRS-40400.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31045

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) v9 n6 144p 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

E. Reprography

NCH-207 073 Field 14E

PHOTOELECTRIC REGISTER CONTROL. 1966, 9p. TC-2525.
Order from TC: $8.50 as TC-2525

Trans. of Typographische Monatsblatter (Switzerland) v78 n12 p660-1 1959.

NCH-207 375 Field 14E, 17B

Goldovskii, E. M.
INFORMATION FROM THE UNIATEK CONGRESS (NO. 6) (Po Materialam VI Kongressa Uniatek). Nov 66, 16p, 4refs. RTS-3381.
Order from NLL: 20s as RTS-3381

Trans. of Teknika Kino Televideniya (USSR) v9 n5 p57-64 1965.

NCH-207 382 Field 14E

Bongard, S. A.; Vinitskaya, M. I.
THE EFFECT OF LIGHT ABSORPTION ON THE MATRIX FILM ON THE GRADATION OF THE WASHED-OUT RELIEF (O Vliyanii Svetopogloshcheniya Matrichnoi Plenki na Gradatsiyu Vymyvnogo Relefa). Nov 66, 9p, 4refs. RTS-3323.
Order from NLL: 12s 6d as RTS-3323

Trans. of Uspekhi Nauchnoi Fotografii (USSR) v8 p92-6 1962.

NCH-207 443 Field 14E

Berezyuk, Yu. I.; Labinskii, V. S.
PRINTING PLATES WITH CONTACT COPPER-PLATING OF THE PRINTING ELEMENTS (Formy s Kontaktnym Omednemiem Pechatayushohikh Elementov). Sep 66, 12p, refs. RTS-3348.
Order from NLL: 7s 6d as RTS-3348

Trans. of Poligrafiya (USSR) n8 p24-6 1964.

NCH-207 558 Field 14E

Cramer, L.
ACCELERATION OF DEVELOPMENT BY THIOCARBAMIDE. 22 Nov 66, 7p. TC-2664.
Order from TC: $6.00 as TC-2664

Trans. of Photographische Korrespondenz (Austria) v70 n10 p145-8 1934.

NCH-207 624 Field 14E

Nabitovich, I. D.
CRYSTALLIZATION OF SELENIUM-CONTAINING ELECTROPHOTOGRAPHIC LAYERS. 28 Nov 66, 6p. TC-2622.
Order from TC: $6.00 as TC-2622

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii (USSR) v11 n11 p27-31 1966.

15 MILITARY SCIENCES

B. Chemical, biological, and radiological warfare

TT-67-61321 Field 15B, 6F, 2A, 6P, 4B, 6E, 6M

CBE FACTORS: MONTHLY SURVEY NO. 14. 1967, 111p. ATD-67-11; AD-648 809.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-648 809

Survey series on Chemical, Biological, and Environmental Factors.

C. Defense

TT-67-30838 Field 15C, 15B, 5D

Todorov, K.; Rachev, G.; Milushev, K.; Baev, V.
MILITARY INFORMATION ON EASTERN EUROPE NO. 155. 9 Mar 67, 21p. JPRS-40192.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30838

Trans. of Narodna Armiya (Bulgaria) 30 Dec p2 1966: 4 Feb p3 1967 and Armeyski Pregled (Bulgaria) n12 p64-6 1966.

E. Logistics

TT-67-61384 Field 15E

REAR AND SUPPLY OF THE SOVIET ARMED FORCES NO. 10, 1966. 19 Jan 67, 125p. J-1171; AD-649 247.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-649 247

Trans. from Tyl i Snabzhenie Sovetskikh Vooruzhennykh Sil (USSR) n10 1966.

G. Operations, strategy, and tactics

TT-67-30924 Field 15G

NORTH VIETNAM: TRANSLATIONS NO. 125. 15 Mar 67, 18p. JPRS-40278.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30924

Trans. from Nhan Dan (North Vietnam) 11 Feb p1, 4; 12 Feb p1, 4; 13 Feb p1, 4; 16 Feb p1, 4; 18 Feb p1, 4 1967.

TT-67-30955 Field 15G, 5D

Debray, R.
CUBA: TRANSLATIONS NO. 567. Revolution Within the Revolution. 20 Mar 67, 90p. JPRS-40310.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30955

Trans. of Politica (Cuba) 1-14 Feb 32p 1967.

TT-67-30960 Field 15G, 5I, 2B, 4C

NORTH VIETNAM: TRANSLATIONS NO. 128. 20 Mar 67, 35p. JPRS-40315.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30960

TT-67-30974 Field 15G

NORTH VIETNAM: TRANSLATIONS NO. 129. 22 Mar 67, 11p. JPRS-40329.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30974

TT-67-31013 Field 15G, 16A, 21F

SOVIET MILITARY TRANSLATIONS NO. 375. 23 Mar 67, 35p. JPRS-40368.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31013

TT-67-61385 Field 15G, 5I, 15E

TECHNOLOGY AND ARMAMENT, NO. 6, 1966. 2 Feb 67, 119p. J-0724; AD-649 245.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 245

Trans. of Tekhnika i Vooruzhenie (USSR) n6 p1-85, 94-5 1966.

16 MISSILE TECHNOLOGY

No Entries

17 NAVIGATION, COMMUNICATIONS DETECTION AND COUNTERMEASURES

A. Acoustic detection

TT-67-30959 Field 17A, 8C

Mikhaltsev, I. E.
ACOUSTICS OF THE OCEAN. 20 Mar 67, 33p, 75refs. JPRS-40314.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30959

Trans. of Akademiya Nauk SSSR. Izvestiya. Fizika Atmosfery i Okeana, v3 n1 p78-100 1967.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

B. Communications

NCH-207 758 Field 17B, 13F

Yamamoto, S.; Shioyama, Y.
LEAKY CABLES FOR A RAILROAD RADIO COMMUNICATION SYSTEM. 10 Feb 67, 14p. ATS-72U98J.
Order from ATS: $25.50 as ATS-72U98J

Trans. of Sumitomo Denki (Japan) n78 p66-73 1962.

TT-66-15324 Field 17B

Schmidt, G.
BASIS FOR THE CALCULATION OF THE SAG AND STRAIN IN OVERHEAD LINES. 17p (figs some formulae omitted).
Order from SLA: $2.60 as TT-66-15324

Trans. of Telegraphen- Fernsprech- Funk- und Fernsprech-Technik (Germany) v17 n2 p31-9 1928.

TT-66-51064 Field 17B

Krivosheev, M. I.
TELEVISION MEASUREMENT METHODS AND DEVICES. 1967, 525p, refs. SFCSI-NSF(TT-66-51064).
Order from CFSTI: $3.00 as TT-66-51064

Trans. of mono. Osnovy Televizionnykh Izmerenii, Moscow, 1964.

TT-67-30832 Field 17B

HERALD OF COMMUNICATIONS, NO. 12, 1966. 8 Mar 67, 78p. JPRS-40186.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-30832

Trans. of Vestnik Svyazi (USSR) v26 n12 p5-19, 23-4, 30-2 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-30885 Field 17B, 9C

EAST EUROPEAN ELECTRONIC AND PRECISION EQUIPMENT, INDUSTRIES: TRANSLATIONS NO. 9. The Completely Electronic Telecommunications Research Institute in East Berlin. 13 Mar 67, 5p. JPRS-40239.

Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30885

Trans. of Nachrichtentechnik (German Democratic Republic) n2 p41 1967.

TT-67-30929 Field 17B

USSR COMMUNICATIONS: TRANSLATIONS NO. 80. 16 Mar 67, 11p. JPRS-40283.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30929

G. Navigation and guidance

TT-67-61393 Field 17G

Pavlov, V. A.
THEORY OF THE GYROSCOPE AND GYROSCOPIC INSTRUMENTS. 31 Oct 66, 643p, 54refs.
FTD-HT-66-267; AD-649 420.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as AD-649 420

Unedited rough draft trans. of mono. Teoriya Giroskopa i Giroskopicheskikh Priborov, Leningrad, 1964 495p.

18 NUCLEAR SCIENCE AND TECHNOLOGY

B. Isotopes

NCH-207 791 Field 18B, 7D

Popov, A. N.; Karimov, M. F.; Evgenev, A. E.
STUDY OF SEVERAL FACTORS INFLUENCING THE EFFICIENCY OF APPLICATION OF SURFACE-ACTIVE AGENTS IN THE PROCESS OF DISPLACING WATER WITH GAS. 1966, 5p. ATS-71T96R.
Order from ATS: $7.50 as ATS-71T96R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v9 n2 p73-6 1966.

D. Nuclear instrumentation

TT-67-51347 Field 18D, 18H

Egorov, I. M.
HANDBOOK OF RECORDING INSTRUMENTS FOR IONIZING RADIATION. Tr. by J. Flancreich. 1967, 469p, refs. SFCSI-AEC(TT-67-51347); AEC-tr-6709.
Order from CFSTI: $3.00 as AEC-tr-6709

Trans. of mono. Apparatura dlya Registratsii i Issledovaniya Ioniziruyushchikh Izluchenii, Moscow, 1965.

E. Nuclear power plants

TT-66-27629 Field 18E

Zadrzynski, E.
REGULATIONS FOR OPERATION OF POWER STATIONS AND SYSTEMS. 20p. CE-Trans-3278.
Order from CEGB as CEGB-CE. Trans.3278

Extract trans. of mono. Przepisy Eksploatacji Elekt. i Sieci, Warsaw, 1960.

I. Reactor engineering and operation

TT-66-15426 Field 18I

NUCLEAR REACTORS FOR 1964, CHAPTER V. 30p. AEC-tr-6644.
Order from SLA: $2.60 as TT-66-15426

Trans. of Commissariat a l'Energie Atomique, Paris. Annual Rept. (France) p103-28 1964.

TT-66-27678 Field 18I

Takeda, A.
STUDY ON AXIAL SPATIAL KINETICS IN CALDER HALL - TYPE REACTORS. CE-Trans-2983.
Order from CEGB as CEGB-CE.Trans.2983

Trans. of Nihon Genshiryoku Gakkaishi (Japan) v4 n6 p377-85 1962.

TT-67-30674 Field 18I, 18J

SODIUM-COOLED NUCLEAR REACTORS. 24 Feb 67, 91p, refs. JPRS-40027.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30674

Trans. of Simpozium po Shchelochnym Metallicheskim Teplonositelyam, Vienna, 28 Nov-2 Dec 66. Izuchenie Problem Korrozii i Opyt Ekspluatatsii Sistem, Vienna, 1966.
Symposium on Alkali Metal Coolants: Study of Problems of Corrosion and System Operating Experience.

19 ORDNANCE

No Entries

20 PHYSICS

TT-67-30922 Field 20-, 12A

EAST EUROPEAN SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 77. 15 Mar 67, 75p. JPRS-40276.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30922

TT-67-30982 Field 20-, 12A

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 104. 22 Mar 67, 28p. JPRS-40337.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-30982

TT-67-31038 Field 20-, 12A

USSR SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 95. 24 Mar 67, 166p. JPRS-40393.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-31038

TT-67-31055 Field 20-

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 106. 27 Mar 67, 26p. JPRS-40410.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31055

Abstract trans. of Wu Li Hsueh Pao (Chinese People's Republic) v17 n1 60p; n2 p61-116; n6 p251-88 1961: v18 n12 p609-82 1962.

TT-67-31068 Field 20-, 12A

USSR SICENTIFIC ABSTRACTS: PHYSICS AND MATHEMATICS NO. 96. 27 Mar 67, 155p. JPRS-40423.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-31068

B. Crystallography

NCH-207 084 Field 20B

Korshunov, A. V.
LOW FREQUENCY RAMAN SCATTERING SPECTRA OF SOME ORGANIC CRYSTALS (Spektry Kombinatsionnogo Rasseyaniya Malykh Chastot Nekotorykh Organicheskikh Kristallov). Sep 66, 2p, 4refs. RTS-3450.
Order from NLL: 5s as RTS-3450

Trans. of Akademiya Nauk SSSR. Doklady, v86 n2 p271-2 1952.

NCH-207 754 Field 20B

Nobuoka, S.; Ado, K.
PREPARATION OF a-Fe_2O_3 SINGLE CRYSTALS BY THE HYDROTHERMAL TREATMENT OF a-FeOOH. 1966, 10p. ATS-16U99J.
Order from ATS: $16.25 as ATS-16U99J

Trans. of Kogyo Kagaku Zasshi (Japan) v69 n10 p1899-902 1966.

TT-66-27660 Field 20B, 7B, 13A

Ravich, M. I.; Borovaya, F. E.
CRYSTALLIZATION OF SODIUM CHLORIDE AND POTASSIUM CHLORIDE ALLOYS IN THE PRESENCE OF STEAM. CE-Trans-3132
Order from CEGB as CEGB-CE.Trans.3132

Trans. of Akademiya Nauk SSSR. Sektor Fiziko-khimicheskogo Analiza. Izvestiya, v20 p165-83 1950.

TT-66-28525 Field 20B, 11F

Elistratov, A. M.
A METHOD FOR THE X-RAY INVESTIGATION OF STRUCTURAL CHANGES IN AGEING COARSE-GRAINED POLYCRYSTALLINE ALLOYS. FRI-Trans-2.
Order from FRI as FRI-trans.2

Trans. of Akademiya Nauk SSSR. Doklady, v69 n3 p337-40 1949.

TT-66-28527 Field 20B, 11F

Elistratov, A. M.
ANOMALOUS DIFFRACTION EFFECTS ON X-RAY PHOTOGRAPHS OF AGEING POLYCRYSTALLINE ALLOYS. FRI-Trans-4.
Order from FRI as FRI-trans.4

Trans. of Akademiya Nauk SSSR. Doklady, v68 n6 p1017-20 1949.

TT-66-28528 Field 20B

Porai-Koshits, E. A.; Sokolov, Yu. G.
THE DIFFUSE SCATTERING OF X-RAYS AT SMALL ANGLES. FRI-Trans-9.
Order from FRI as FRI-trans.9

Trans. of Akademiya Nauk SSSR. Doklady, v72 n3 p477-80 1950.

TT-66-28529 Field 20B, 11F

Bagaryatskii, Yu. A.
STRUCTURAL CHANGES IN THE AGEING OF THE ALLOYS AL-Cu-Mg. FRI-Trans-11.
Order from FRI as FRI-trans.11

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v20 n4 p424-7 1950.

TT-66-28530 Field 20B, 11F

Bagaryatskii, Yu. A.
X-RAY INVESTIGATION OF THE AGEING OF ALUMINIUM ALLOYS. FRI-Trans-12.
Order from FRI as FRI-trans.12

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v18 n6 p827-30 1948.

TT-66-28531 Field 20B, 11F

Kolontsova, E. V.
THE DIFFUSE SCATTERING OF X-RAYS BY PLASTICALLY DEFORMED SINGLE CRYSTALS OF ALUMINIUM. FRI-Trans-13.
Order from FRI as FRI-trans.13

Trans. of Akademiya Nauk SSSR. Doklady, v75 n2 p189-92 1950.

TT-66-28533 Field 20B, 11F

Bagaryatskii, Yu. A.
X-RAY DATA ON THE AGEING OF THE ALLOY Al-Cu. FRI-Trans-18.
Order from FRI as FRI-Trans.18

Trans. of Akademiya Nauk SSSR. Doklady, v77 n2 p261-4 1951.

TT-66-28534 Field 20B, 11F

Bagaryatskii, Yu. A.
THE CALCULATION OF THE INTENSITY OF THE DIFFUSE SCATTERING OF X-RAYS FOR AGEING ALLOYS. FRI-Trans-19.
Order from FRI as FRI-Trans.19

Trans. of Akademiya Nauk SSSR. Doklady, v77 n1 p45-8 1951.

TT-66-28536 Field 20B

Borovskii, I. B.
A NEW METHOD OF CRYSTAL BENDING FOR X-RAY INVESTIGATION WITH BENT CRYSTAL SPECTROGRAPHS. FRI-Trans-25.
Order from FRI as FRI-Trans.25

Trans. of Akademiya Nauk SSSR. Doklady, v72 n3 p485-7 1950.

TT-66-28539 Field 20B, 11F

Mirgalovskaya, M. S.
ONE CRYSTALLO-CHEMICAL PECULIARITY IN THE SYSTEMS Mg-Zn AND Mg-AlCu. (PRESENTED BY ACADEMICIAN G. G. URAZOV 14.4.51). FRI-Trans-30.
Order from FRI as FRI-Trans.30

Trans. of Akademiya Nauk SSSR. Doklady, v78 n5 p909-11 1951.

TT-66-28546 Field 20B, 7D

Danilov, V. I.; Serikov, A. S.
THE SCATTERING OF X-RAYS AT SMALL ANGLES AND THE POROUS STRUCTURE OF ACTIVE CARBONS. FRI-Trans-44.
Order from FRI as FRI-trans.44

Trans. of Akademiya Nauk SSSR. Doklady, v83 n1 p71-4 1952.

TT-66-28556 Field 20B, 7D

Bagaryatskii, Yu. A.
CALCULATION OF X-RAY BACKGROUND INTENSITY FOR DIFFERENT DEGREES OF ORDER IN THE DISTRIBUTION OF FAULTS IN CRYSTALS. FRI-Trans-61.
Order from FRI as FRI-Trans.61

Trans. of Akademiya Nauk SSSR. Doklady, v92 n6 p1157-60 1953.

TT-66-28560 Field 20B, 7D, 11F

Bagaryatskii, Yu. A.
X-RAY INVESTIGATION OF THE AGEING OF ALUMINIUM ALLOYS II. THE APPLICATION OF X-RAY PHOTOGRAPHY AT LOW TEMPERATURES FOR INVESTIGATING THE STRUCTURE OF AGED ALLOYS. FRI-Trans-67.
Order from FRI as FRI-Trans.67

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) v21 n6 p658-62 1951.

TT-66-28561 Field 20B

Zhdanov, V. A.; Maryasova, R. P.
CONTRIBUTIONS TO THE THEORY OF CRYSTAL LATTICES OF THE NaTl TYPE. FRI-Trans-68.
Order from FRI as FRI-Trans.68

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v27 n2 p210-6 1953.

TT-66-28562 Field 20B, 7D, 11F

Elistratov, A. M.
X-RAY INVESTIGATION OF THE INITIAL STAGES IN THE DECOMPOSITION OF SUPERSATURATED delta-SOLID Ag-Al SOLUTION. FRI-Trans-70.
Order from FRI as FRI-Trans.70

Trans. of Akademiya Nauk SSSR. Doklady, v101 n3 p473-6 1955.

TT-66-28564 Field 20B, 11F

Gladyshevskii, E. I.; Kripyakevich, P. I.
THE POSITIONS OF COPPER AND MAGNESIUM ATOMS IN THE STRUCTURE OF CuMgSn. FRI-Trans-72.
Order from FRI as FRI-Trans.72

Trans. of Akademiya Nauk SSSR. Doklady, v102 n4 p743-6 1955.

TT-66-28565 Field 20B, 7D, 11F

Elistratov, A. M.
X-RAY INVESTIGATION OF LATE STAGES OF THE DECOMPOSITION OF A SUPERSATURATED alpha-SOLID SOLUTION OF BERYLLIUM IN COPPER. FRI-Trans-73.
Order from FRI as FRI-Trans.73

Trans. of Akademiya Nauk SSSR. Dokldy, v101 n1 p69-72 1955.

TT-66-28566 Field 20B, 7D, 11F

Buinov, N. N.; Podrezov, L. I.
X-RAY AND ELECTRON-MICROSCOPIC INVESTIGATION OF THE AGEING OF AN Al-Zn ALLOY. FRI-Trans-74.
Order from FRI as FRI-trans.74

Trans. of Fizika Metallov i Metallovedenie (USSR) v1 n2 p349-58 1955.

TT-66-28569 Field 20B, 11F

Petrashen, M. I.; Porai-Koshits, E. A.
USE OF FOURIER ANALYSIS FOR THE INTERPRETATION OF X-RAY DIAGRAMS OF LIQUID AND VITREOUS MATERIALS. FRI-Trans-81.
Order from FRI as FRI-Trans.81

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v21 n8 p887-93 1951.

TT-66-28570 Field 20B, 7D, 11F

Bagaryatskii, Yu. A.
X-RAY INVESTIGATION OF THE AGEING OF ALUMINIUM ALLOYS. III. USE OF X-RAY GONIOMETRIC METHODS FOR THE DETERMINATION OF THE MUTUAL ORIENTATION OF PHASES. FRI-Trans-83.
Order from FRI as FRI-trans-83

Trans. of Fizika Metallov i Metallovedenie (USSR) v1 n2 p316-29 1955.

TT-66-28571 Field 20B, 7D, 11F

Bagaryatskii, Yu. A.
X-RAY INVESTIGATION OF THE AGEING OF ALUMINIUM ALLOYS. IV. METHODS OF CALCULATING FOR DIFFUSE SCATTERING PHOTOGRAPHS.

FRI-Trans-84.
Order from FRI as FRI-trans.84

Trans. of Fizika Metallov i Metallovedenie (USSR) v1 n2 p330-8 1955.

TT-66-28576 Field 20B, 11F

Bagaryatskii, Yu. A.; Nosova, G. I.; Tagunova, T. V.
CRYSTAL STRUCTURE AND NATURE OF THE -PHASE IN ALLOYS OF TITANIUM WITH CHROMIUM.
FRI-Trans-95.
Order from FRI as FRI-Trans.95

Trans. of Akademiya Nauk SSSR. Doklady, v105 n6 p1225-8 1955.

TT-66-28579 Field 20B, 11F

Buinov, N. N.; Shashkov, O. D.
INVESTIGATION OF THE STRUCTURE OF A DEFORMED Al-Cu ALLOY WITH AN ELECTRON MICROSCOPE. FRI-Trans-104.
Order from FRI as FRI-trans.104

Trans. of Fizika Metallov i Metallovedenie (USSR) v2 n3 p484-8 1956.

TT-66-28581 Field 20B

Skakov, Yu. A.
DETERMINATION OF THE CRYSTALLOGRAPHIC ORIENTATION OF GRAINS IN ELECTRON - MICROSCOPIC INVESTIGATIONS. FRI-Trans-110.
Order from FRI as FRI-trans.110

Trans. of Zavodskaya Laboratoriya (USSR) v22 n7 p806-9 1956.

TT-67-61324 Field 20B

Huang Hsi-yi.
THE INTENSITY OF THE ABSORPTION BANDS OF RUBY. 5 Dec 66, 26p, refs. FTD-HT-66-498; AD-648 884.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 884

Edited trans. of Wu Li Hsueh Pao (Chinese People's Republic) v20 n3 p241-51 1964.

C. Electricity and magnetism

TT-66-27242 Field 20C, 20N

Akhiezer, A. I.
HYDROMAGNETIC WAVES. CEGB-X-44.
Order from CEGB as CEGB-X.44

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v35 n1 p116-20 1958.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27243 Field 20C, 20I

Larish, E.
IONISED GAS IN A MAGNETIC FIELD. CEGB-X-41.
Order from CEGB as CEGB-X.41

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v35 n2 p514-5 1958.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27245 Field 20C

Lebedev, S. V.
SPARK IN VACUUM. CEGB-IB-Trans-1766.
Order from CEGB as CEGB-IB.1766

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v37 n2 p349-54 1959.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27700 Field 20C, 9E

Makhlin, B. Yu.
MAGNETIC LOSSES AND HEATING OF FITTINGS ON OVERHEAD POWER LINES. CE-Trans-3436.
Order from CEGB as CEGB-CE.Trans.3436

Trans. of Vsesoyuznyi Nauchno-Issledovatelskii Institut Elektroenergetiki. Trudy (USSR) v11 p70-83 1961.

TT-67-60523 Field 20C

Neacke, H.
STABILITY OF POLLUTION DISCHARGES AND THEORY OF POLLUTION BREAKDOWN. Tr. by John E. Reichen. 1966, 17p, 14refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60523

Trans. of ETZ Elektrotechnische Zeitschrift. Ausgabe A. Zentralblatt fuer Elektrotechnik (West Germany) n16 p577-85 1966.

TT-67-60542 Field 20C, 21D

Toyoda Sadaharu; Honda Hidemasa.
TWO COMPONENTS OF ELECTRON SPIN RESONANCE IN YUBARI COAL. 1966, 18p, 15refs. DI-Trans-3170.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60542

Trans. of Nenryo Kyokai Shi (Japan) v44 n462 p697-704 1965.

D. Fluid mechanics

NCH-204 545 Field 20D

Michiyoshi, I.; Mizuno, K.; Hoshiai, Y.
STUDIES ON THE FLOW OF SLURRY THROUGH A PIPE. I. ENTRANCE REGION OF LAMINAR FLOW. 1966, 14p. ATS-40T90J.
Order from ATS: $26.50 as ATS-40T90J

Trans. of Nihon Genshiryoku Gakkaishi, v7 n10 p554-62 1965.

NCH-207 552 Field 20D

Kolbel, P. H.; Langemann, R. N. H.
RETENTION TIME DISTRIBUTION AND MATERIAL TRANSFER IN GAS/LIQUID PHASE REACTORS. 22 Nov 66, 23p. TC-2640.

Order from TC: $18.50 as TC-2640

Trans. of Chemie-Ingenieur-Technik (West Germany) v38 n5 p564-72 1966.

NCH-207 765 Field 20D, 11H

Golubev, G. V.
CERTAIN EXACT SOLUTIONS OF THE PROBLEM OF DETERMINING THE PRESSURE FIELD IN AN INHOMOGENEOUS OIL RESERVOIR. 1966, 2p. ATS-50T98R.
Order from ATS: $3.50 as ATS-50T98R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v9 n2 p86-7 1966.

NCH-207 787 Field 20D

Panov, B. D.; Silkin, V. F.
THE EFFECT OF THE INTERFACIAL TENSION OF CONNATE WATER ON ROCK PERMEABILITY IN OIL FLOW. 1966, 6p. ATS-09T97R.
Order from ATS: $11.80 as ATS-09T97R

Trans. of Neftyanoe Khozyaistvo (USSR) v44 n6 p39-42 1966.

NCH-207 799 Field 20D

Dontsov, K. M.
DERIVATION OF A DIFFERENTIAL EQUATION FOR FLUID FLOW IN A FRACTURED FORMATION. 1966, 6p. ATS-42T97R.
Order from ATS: $8.25 as ATS-42T97R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Neft i Gaz (USSR) v9 n4 p72-6 1966.

TT-67-60859 Field 20D

Yudovich, V. I.
ON THE INSTABILITY OF PARALLEL VISCOUS INCOMPRESSIBLE FLUID FLOWS RELATIVE TO SPATIALLY-PERIODIC PERTURBATIONS. 1967, 9p, 6refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-60859

Trans. of mono. Chislennye Metody Resh. Zadach Matematicheskogo Fiziki, Moscow, 1966 p242-9.

TT-67-61285 Field 20D

Ievleva, O. B.
ON THE VIBRATIONS OF A BODY FILLED WITH A VISCOUS FLUID. 1967, 10p, 6refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61285

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n6 p27-34 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61298 Field 20D

Dyachenko, V. F.
ON A NEW METHOD OF THE NUMERICAL SOLUTION OF NONSTATIONARY GASDYNAMICS PROBLEMS WITH TWO SPACE VARIABLES. 1967, 10p, 3refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61298

Trans. of Zhurnal Vychislitelnoi Matematiki i Matematicheskoi Fiziki (USSR) v5 n4 p680-8 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61305 Field 20D

Barenblatt, G. I.; Bulina, I. G.; Myasnikov, V. P.
INFLUENCE OF SOLUTIONS OF SOME HIGH-MOLECULAR COMPOUNDS ON DRAG REDUCTION IN TURBULENT FLOW AROUND BODIES. 1966, 3p, 4refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61305

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n3 p95-6 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61327 Field 20D

Shalnev, K. K.
PRESSURE AND EROSION IN REGION OF SEPARATION CAVITATION OF A ROUND PROFILE (Davlenie i Eroziya v Oblasti Sryvnoi Kavitatsii Kruglogo Profilya). 6 Dec 66, 21p, 23refs. FTD-MT-65-557; AD-649 040.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 040

Edited machine trans. of Akademiya Nauk SSSR. Izvestiya. Energetika i Transport, n6 p111-20 1954.

E. Masers and lasers

TT-67-61280 Field 20E, 20K

Akimov, A. I.; Mirkin, L. I.; Pilipetskii, N. F.
EFFECT OF A LASER LIGHT BEAM ON ORGANIC GLASS. 1967, 6p, 9refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61280

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n6 p14-8 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

F. Optics

TT-66-28499 Field 20F

Sobolevskaya, G. D.; Ioffe, Yu. K.; Nikolaenko, G. M.; Fridman, E. M.
A POWERFUL SMALL-SCALE X-RAY TUBE FOR FLUORESCENCE X-RAY ANALYSIS. 3p, 2refs.
Fisons-Trans-931.
Order from ETC or SLA: $1.10 as TT-66-28499

Trans. of Zavodskaya Laboratoriya (USSR) v31 n11 p1414-5 1965.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61313 Field 20F, 14B

Dmitriev, A. A.
DETERMINATION OF THE RADIATION INTENSITY FIELD IN MEASUREMENTS WITH A WIDE-ANGLE APPARATUS. 1967, 8p, 1ref.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61313

Trans. of Universitet Druzhby Narodov, Moscow. Trudy (USSR) v12 p70-81 1965.

H. Particle physics

NCH-207 140 Field 20H

Boerch, H.; Geiger, J.; Stickel, W.
THE RESOLVING POWER OF THE ELECTROSTATIC-MAGNETIC ENERGY ANALYSER FOR FAST ELECTRONS (Das Aufloesungsvermoegen des Elektrostatisch-Magnetischen Energieanalysators fuer Schenelle Elektronen). Tr. by D. A. Sinclair. 1966, 12p, 11refs. NRC-TT-1252; NRC-C-6093.
Order from NRC: $1.00 as C-6093

Trans. of Zeitschrift fuer Physik (West Germany) v180 n4 p415-24 1964.

TT-66-28552 Field 20H, 11F

Lifshits, I. M.; Gulida, L. S.
CONTRIBUTION ON THE THEORY OF LOCAL FUSION. FRI-Trans-56.
Order from FRI as FRI-Trans.56

Trans. of Akademiya Nauk SSSR. Doklady, v87 n3 p377 1952.

TT-67-61323 Field 20H

Yu You-wen; Chang Chung-hwa; Yu Ming.
PROPERTIES OF A FERMI-SYSTEM WITH EQUAL SPACINGS BETWEEN ENERGY LEVELS. 5 Dec 66, 35p, refs. FTD-HT-66-495; AD-648 883.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-648 883

Edited trans. of Wu Li Hsueh Pao (Chinese People's Republic) v19 n8 p483-502 1963.

I. Plasma physics

NCH-207 742 Field 20I

Rademacher, K.; Wojaczek, K.
OBSERVATIONS ON COUPLES LOW-PRESSURE DISCHARGES IN ARGON. 10 Feb 67, 9p. ATS-16T98G.
Order from ATS: $19.85 as ATS-16T98G

Trans. of Annalen der Physik (East Germany) s7 n2 p57-67 1958.

TT-66-27246 Field 20I, 20G

Lazukin, V. N.
OSCILLATIONS OF A PLASMA BEAM IN A MAGNETIC FIELD AT NEAR CYCLOTRONIC FREQUENCIES. CEGB-X-66.
Order from CEGB as CEGB-X.66

Trans. of Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (USSR) v36 n4 p969-75 1959.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

K. Solid mechanics

NCH-207 481 Field 20K

Sherman, D. I.
THE STRESSES IN A PONDERABLE MEDIUM FORMING AN INFINITE HALF-PLANE WEAKENED BY TWO CIRCULAR HOLES (O Naprazheniyakh v Vesomoi Poluploskosti, Oslablennoi Dvumya Krugovymi Otverstiyami). Sep 66, 33p, refs. RTS-3029.
Order from NLL: 40s as RTS-3029

Trans. of Prikladnaya Matematika i Mekhanika (USSR) v15 p297-316 1951.

NCH-207 736 Field 20K

Schnell, W.
THE THIN-WALLED CONICAL SHELL UNDER AXIAL COMPRESSION AND INTERNAL PRESSURE. 10 Feb 67, 16p. ATS-48T98G.
Order from ATS: $26.50 as ATS-48T98G

Trans. of Zeitschrift fuer Flugwissenschaften (West Germany) v10 n3 p314-21 1962.

NCH-207 740 Field 20K

Schnell, W.
THE THIN-WALLED CONICAL SHELL UNDER AXIAL COMPRESSION AND INTERNAL PRESSURE. 10 Feb 67, 14p. ATS-47T98G.
Order from ATS: $17.85 as ATS-47T98G

Trans. of Zeitschrift fuer Flugwissenschaften (West Germany) v10 n4/5 p154-60 1962.

NCH-207 749 Field 20K

Duddeck, H.
BENDING CALCULATIONS FOR SHELLS OF REVOLUTION WITH EDGES ALONG PARALLELS OF LATITUDE. 10 Feb 67, 23p. ATS-45T98G.
Order from ATS: $38.75 as ATS-45T98G

Trans. of der Bauingenieur (West Germany) v39 n11 p435-45 1964.

NCH-207 768 Field 20K

Nemirovskii, Yu. V.
EQUATIONS FOR CREEP BASED ON THE CRITERION OF MAXIMUM REDUCED STRESS (Ob Uravneniskh Polzuchesti, Osnovannykh na Kriterii Maksimalnogo Privedennogo Napryazheniya). Jun 66, 9p, 11refs. RTS-3228.
Order from NLL: 15s as RTS-3228

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie, n3 p117-22 1964.

TT-66-15451 Field 20K

Couard, A.
THE MECHANICAL CHARACTERISTICS OF SOILS AND SOLIDS. 9p (figs refs omitted).
Order from SLA: $1.10 as TT-66-15451

Trans. of Engineering Journal (Canada) v38 n9 p1207-10 1955.

TT-66-27605 Field 20K, 20D

Ivlev, D. D.
THE LAW OF ISOTROPY AND ITS RELATION TO THE PLASTICITY THEORY. CE-Trans-3890.
Order from CEGB as CEGB-CE.Trans.3890

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, n2 p125-7 1960.

TT-67-61279 Field 20K

Rvachev, V. L.; Shklyarov, I. I.; Yushchenko, A. A.
DETERMINATION OF THE TORSIONAL STIFFNESS OF RODS WITH COMPLEX PROFILE. 1967, 4p, 5refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61279

Trans. of Akademiya Nauk URSR, Kiev. Dopovidi, n9 p1144-8 1966.

TT-67-61281 Field 20K

Perlin, P. I.
ELASTOPLASTIC STRESS DISTRIBUTION AROUND HOLES. 1967, 10p, 7refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61281

Trans. of Fiziko-Tekhnicheskii Institut, Moscow, Trudy (USSR) n5 p30-40 1960.

TT-67-61283 Field 20K

Krementulo, V. V.
ON THE OPTIMUM STABILIZATION OF THE ROTATIONAL MOTION OF A SOLID WITH A FIXED POINT BY UTILIZING FLYWHEELS. 1967, 9p, 12refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61283

Trans. of Mekhanika Tverdogo Tela (USSR) n6 p11-8 1966.

TT-67-61284 Field 20K

Palchevskii, A. S.
ON THE BUCKLING MODE OF CIRCULAR CYLINDRICAL SHELLS UNDER AXIAL COMPRESSION. 1967, 3p, 9refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61284

Trans. of Prikladnaya Mekhanika (USSR) v2 n10 p133-5 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61302 Field 20K

Geogdzhaev, V. O.
ANALYSIS OF A REINFORCED CYLINDRICAL SHELL WITH A CUT-OUT OF ARBITRARY SHAPE. 1967, 12p, 4refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61302

Trans. of Fiziko-Tekhnicheskii Institut, Moscow. Trudy (USSR) n5 p9-22 1960.

TT-67-61304 Field 20K

Kuznetsov, V. M.
ON A CASE OF THE EQUILIBRIUM OF A SYSTEM OF CRACKS IN AN ELASTICALLY BRITTLE MATERIAL. 1967, 4p, 5refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61304

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n5 p161-3 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61307 Field 20K

Geogdzhaev, V. O.
ON THE QUESTION OF A STRENGTH CRITERION FOR ANISOTROPIC MATERIALS. 1967, 5p, 8refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61307

Trans. of Fiziko-Tekhnicheskii Institut, Moscow. Trudy (USSR) n5 p23-9 1960.

TT-67-61310 Field 20K

Annin, B. D.; Danilov, N. S.; Rabotnov, Yu. N.
COMPLEX LOADING MACHINE WITH AUTOMATIC PROGRAMMING OF THE STRESS STATE. 1967, 2p, 2refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61310

Trans. of Mekhanika Tverdogo Tela (USSR) n6 p161-2 1966.

TT-67-61320 Field 20K

Lomakin, V. A.
QUESTIONS OF THE GENERALIZED COUPLE-STRESS. 1967, 7p, 10refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as TT-67-61320

Trans. of Moscow Univ. Vestnik. Seriya 1: Matematika, Mekhanika (USSR) n1 p82-8 1967.

TT-67-61336 Field 20K

Huang Ke-tse.
BOUNDARY EQUILIBRIUM OF CYLINDRICAL REINFORCED SHELLS WITH THIN SHEATH. 5 Dec 66, 31p, 2refs. FTD-HT-66-407; AD-649 037.
Order from CFSTI or ETC: HC$3.00, MF$0.65 as AD-649 037

Edited trans. of Li Hsueh Hsueh Pao (Chinese People's Republic) v7 n2 p91-108 1964.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

L. Solid-state physics

NCH-207 743 Field 20L

Binder, H.; Fischer, H.
THE RELATIONSHIP BETWEEN RESIDUAL STRESSES, TEXTURE, AND HARDNESS IN ELECTROLYTICALLY PRODUCED COPPER FILMS. 10 Feb 67, 21p.
ATS-37T98G.
Order from ATS: $39.80 as ATS-37T98G

Trans. of Zeitschrift fuer Metallkunde (West Germany) v53 n3 p161-71 1962.

NCH-207 777 Field 20L

Volkenshtein, F. F.
ELECTRONIC PROCESSES ON THE SURFACE OF A

SEMICONDUCTOR DURING CHEMISORPTION.
10 Feb 67, 14p. ATS-59T98R.
Order from ATS: $25.75 as ATS-59T98R

Trans. of Uspekhi Fizicheskikh Nauk (USSR)
v90 n2 p275-89 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

M. Thermodynamics

TT-66-27573 Field 20M, 18L

Berger, F.; Derian, L.
THE EFFECT OF AN ELECTRIC FIELD ON THE HEAT TRANSFER TO CO_2 AND AIR IN A NUCLEAR REACTOR.
CE-Trans-3574.
Order from CEGB as CEGB-CE.Trans.3574

Trans. of Ceskoslovenska Akademie Ved, Ustav Jaderneho Vyzkumu, Rez. Rapport, n666 42p 1962.

TT-66-27682 Field 20M, 21E

Mariev, D. I.
THE THERMODYNAMICS OF COOLED GAS TURBINE.
CE-Trans-3254.
Order from CEGB as CEGB-CE.Trans.3254

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v5 n4 p41-6 1962.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61282 Field 20M

Kalmykov, A. A.; Nemchinov, I. V.; Petrukhin, A. I.
EXPERIMENTAL INVESTIGATION OF THE DISPERSION OF INSTANTANEOUSLY HEATED MATERIAL AND OF THE ORIGINATING IMPULSE AT ENERGY CONCENTRATIONS LESS THAN THE HEAT OF EVAPORATION. 1967, 15p, 12refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61282

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) n6 p3-13 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61306 Field 20M

Pustogarov, A. V.
CYLINDRICAL CONDUCTOR HEATED BY A CURRENT.
1967, 3p, 4refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61306

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v11 n5 p662-3 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-67-61312 Field 20M, 7A

Gorelik, A. G.
ON THE HEAT EXCHANGE MECHANISM IN A PSEUDOLUQUEFIED LAYER. 1967, 8p, 11refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61312

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) v11 n4 p495-502 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

N. Wave propagation

TT-65-61887 Field 20N

Densiov, N. G.; Ryzhov, Yu. A.
MEAN RADIATION PATTERN OF AN EMITTER IN A TURBULENT ATMOSPHERE (O Srednei Diagramme Napravlennosti Izluchatelya v Turbulentnoi Atmosfere).
22 Dec 64. 8p, refs. NASA-TT-F-9615; N65-14615.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as N65-14615

Trans. of Radiotekhnika i Elektronika (USSR) v9 n11 p1944-7 1964.

TT-67-61288 Field 20N, 4A

Stankevich, K. S.; Shipulya, O. N.
INVESTIGATION OF THE ATMOSPHERE AT LOW ANGLES OVER THE HORIZON BY RADIO ASTRONOMY METHODS. 1967, 7p, 4refs.
Order from CFSTI or ETC: HC$3.00, MF$0.65
as TT-67-61288

Trans. of Radiotekhnika i Elektronika (USSR) v12 p13-8 1967.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

21 PROPULSION AND FUELS

B. Combustion and ignition

NCH-207 801 Field 21B, 21D

Mustaev, Ya. A.
EXPERIMENTAL STUDIES OF THE COMBUSTION PROCESS IN PETROLEUM-SATURATED SPECIMENS.
1966, 7p. ATS-22T96R.
Order from ATS: $9.75 as ATS-22T96R

Trans. of Neftyanoe Khozyaistvo (USSR) v44 n4 p54-9 1966.

D. Fuels

NCH-207 773 Field 21D

Pekin, P. V.; Shulepov, S. V.
EFFECT OF THE CALCINATION TEMPERATURE ON THE ELECTRIC AND THERMOELECTRIC PROPERTIES OF PETROLEUM COKES. 10 Feb 67, 5p. ATS-31T98R.
Order from ATS: $8.50 as ATS-31T98R

Trans. of Tsvetnye Metally (USSR) v39 n10 p56-9 1966.
For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

TT-66-27642 Field 21D

Kessler, M. F.; Romovackova, H.
DIFFERENTIAL THERMAL ANALYSIS OF COAL AND COKE. CE-Trans-3260.
Order from CEGB as CEGB-CE.Trans.3260

Trans. of Sbornik Praci Hornick. Ustavu CSAV (sic) (Czechoslovakia) n4 p144-66 1961 (pub. in Fuel (England) v40 p161-70 1961).

E. Jet and gas turbine engines

TT-66-27681 Field 21E

Sherstyannikov, V. A.
SHROUDING OF GAS TURBINES. CEGB-EE-Trans-872.

Order from CEGB as CEGB-EE.Trans.872

Trans. of Teploenergetika (USSR) v10 n3 p34-8 1963. For another listing of this journal see "Translated or Abstracted Publications," in TT Vol. 16, No. 4.

22 SPACE TECHNOLOGY

No Entries

TRANSLATIONS IN PROCESS

BULLETIN OF THE BORIS KIDRIC INSTITUTE OF NUCLEAR SCIENCES. Recovery of Irradiated Cells by Necleic Acids.
Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1966 Suppl. 190p.

INDIAN EDUCATIONAL MATERIAL, VOL. 1, NO. 1, SEPTEMBER 1966. Annotated Quarterly Bibliography.

SCIENCE AND AGRICULTURE: MECHANIZATION AND ELECTRIFICATION.
Mono. Nauka, Selskomu Khozyaistvu: Mekhanizatsiya i Elektrifikatsiya, Moscow, 1964 287p.

SELECTED BIBLIOGRAPHIES OF POLISH EDUCATIONAL MATERIAL, NOS. 1/2 1967.

Anosov, F. V.; Kuzminskii, S. S.
INVESTIGATIONS IN THE FIELD OF HYDRAULIC TURBINE CONSTRUCTION AT THE LENINGRAD METAL-WORKS (Issledovatelskie Raboty v Oblasti Gidroturbostroeniya na LMZ im. 22 Sezda KPSS).
Energomashinostroenie (USSR) n3 p3-8 1965.

Aronson, A. Ya.
COMPUTATION OF THE NATURAL FREQUENCIES OF THE VIBRATIONS OF THE RUNNERS OF FRANCIS TURBINES (Raschet Chastot Sobstvennykh Kolebanii Rabochikh Koles Radialno-Osevykh Gidroturbin).
Energomashinostroenie (USSR) v6 n3 p8-12 1960.

Barkov, N. K.
AUXILIARY EQUIPMENT OF HYDRAULIC TURBINES (Vspomogatelnoe Oborudovanya Gidroturbin).
Energomashinostroenie (USSR) v11 n3 p36-9 1965.

Barlit, V. V.
PROFILING RUNNER BLADES OF FRANCIS TURBINES BY THE BAUERSFELD METHOD (K Voprosu o Profilirovanii Lopasti Rabochego Kolesna Radialno-Osevoi Gidroturbiny Metodom Bauersfelda).
Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) n11 p113-20 1962.

Bartenev, G. M.
MECHANICAL PROPERTIES AND STRUCTURE OF INORGANIC GLASSES.
Unidentified mono., n.p., n.d.
To be pub. by N. V. Erven P. Noordhoff, Uitgevers, Groningen, Netherlands.

Bloch, F.
CONCERNING THE QUANTUM MECHANICS OF ELECTRONS IN CRYSTAL LATTICES (Ueber die Quantenmechanik der Elektronen in Kristallgittern).
Zeitschrift fuer Physik (West Germany) v52 p555-600 1928.

Bugov, A. U.
CALCULATING THE STRESS CONDITION OF THE FRAMEWORK FOR SPHERICAL VALVES FOR HIGH-HEAD GES (Raschet Napriyazhennogo Sostoyaiya Korpusov Sharovykh Satvorov Vysokonapornykh GES).
Energomashinostroenie (USSR) v8 n5 p17-20 1962.

Bulatov, S. N.
PECULIARITIES OF THE TEMPERATURE RATE OF THE BRATSK RESERVOIR WHEN COVERED WITH ICE (Osobennosti Temperaturnogo i Skorostnogo Rezhima Bratskogo Vodokhranilishcha pod Ledianym Pokrovom).
Tsentralnyi Institut Prognozov. Trudy (USSR) n151 p64-81 1965.

Dementev, G. P.
BIRDS OF THE SOVIET UNION, VOL. V.
Mono. Ptitsy Sovetskogo Soiuza, Tom V, Moscow, 1954 803p.

Dieter.
EFFECT OF A SUBLETHAL X-RAY DOSE UPON CULTIVATED CHICKEN HEART MYOBLAST (Ueber die Wirkung Einer Subletalen Roentgendosis auf Gezuechtete Huehnerherzmyoblasten).
Zeitschrift fuer Zellforschung und Mikroskopische Anatomie (West Germany) v68 p320-47 1965.

Kadomtsev, B. B.; Pogutse, O. P.
TURBULENT PROCESSES IN TOROIDAL SYSTEMS.
Akademiya Nauk SSSR. Institut Atomnoi Energii. Rept., n1227 176p 1966.

Kantor, V. I.
PROPERTIES OF THE MIDDLE SURFACE OF AN AXIAL HYDROTURBINE BLADE (Svoistva Sredinnoi Poverkhnosti Lopasti Osevoi Gidroturbiny).
Energomashinostroenie (USSR) n3 p41-3 1965.

Kheev, M. M.
THERMAL RADIATION.
Mono. Fundamentals of Heat Transfer, n.p., 1965 p144-68.

Kholodov, Y. A.
THE EFFECT OF ELECTROMAGNETIC AND MAGNETIC FIELDS ON THE CENTRAL NERVOUS SYSTEM.
Mono. Vliyanie Elektromagnitnykh Polei na Tsentralnuyu Nervnuyu Sistemu, Moscow, 1966 283p.

Kolychev, V. A.; Lasenko, V. E.
INVESTIGATING THE FLOW IN FRANCIS TURBINES (Issledovanie Potoka v Radialno-Osevoi Gidroturbine).
Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) v9 n2 p89-96 1966.

Kumsyashvili, G. P.
BASIC CONSIDERATIONS FOR ESTABLISHING THE LABORATORY PARAMETERS OF SYSTEMATIC HYDRAULIC POWER ENGINEERING (Obosnovanie Parametrov Laboratorii Sistemnoi Gidroenergetiki).
Energeticheskii Institut, Moscow. Trudy (USSR) n46 p141-57 1963.

Loiseau, H.
EXPERIMENTAL STUDY OF SINGLE DEGREE-OF-FREEDOM FLUTTER IN TRANSONIC FLOW.
Office National d'Etudes et de Recherches Aeronautiques. Rept. (France) TN-95 50p 1966.

Markovic, B., ed.
REVIEW OF THE GEOLOGICAL AND GEOPHYSICAL INSTITUTE.
Zavod za Geolosko i Geofizicko Istrazivanje N. R. Srbije. Vesnik. Serija A: Geologija, Serija B: Inzenjerska Geologija i Hidrogeologija, Serija C: Primenjena Geofizika (Yugoslavia) 1967.

Nudelman, A. V.
SOVIET ANTARCTIC EXPEDITION 1961-1963.
Mono. Sovetskie Ekspeditsii v Antarktiku 1961-1963 gg., Moscow, 1965 272p.

Oparin, A. I.
NO ENGLISH TITLE GIVEN.
Mono. Voznikovenie i Nachalnoe Rasvitie Zhizni, n.p., 1966. To be pub. by OB.

Pasteels, J.
NO ENGLISH TITLE GIVEN (Recherches sur les Facteurs Initiaux de la Morphogenese chez les Amphibiens Anoures. I. Resultats de l'Experience de Schultze et Leur Interpretation).
Archives de Biologie (France) v49 p629-67 1938.

Pasteels, J.
NO ENGLISH TITLE GIVEN (Recherches sur le Cycle Germinal chez l'Ascaris).
Archives de Biologie (France) v59 p405-46 1948.

Pasteels, J.
NO ENGLISH TITLE GIVEN (Recherches sur les Facteurs Initiaux de la Morphogenese chez les Amphibiens Anoures. IV. Centrifugation Axial de l'Oauf Feconde et Insegmente).
Archives de Biologie (France) v51 p335-85 1940.

Polonskii, G. A.
CONSTRUCTION OF THE PENSTOCKS FOR BRATSK POWERPLANT (Sooruzhenie Turbinnykh Vodovodov na Bratskoi GES).
Gidroteknicheskoe Stroitelstvo (USSR) n9 p13-8 1962.

Polushkin, N. P.
THE POSSIBILITY OF INCREASING THE CAPACITY OF FRANCIS TURBINES BY OPERATING AT REDUCED HEAD (O Vozmozhnosti Uvelicheniya Moshchnosti Radialno-Osevykh Gidroturbin Pri Ekspluatatsii Ikh na Ponizhennykh Naporakh).
Energeticheskoe Stroitelstvo (USSR) n34 p66-9 1963.

Radosavlejevic, L. B.
ON THE BENDING MOVEMENT OF THE SHIP IN A SEAWAY.
Mono. O Momentu Savijanija Broda na Uzurkanom Moru, Belgrad, 1957.

Ramkers, H.
STUDY CONCERNING THE DYNAMIC SPEED STABILITY OF AN AIRCRAFT.
National Aero- and Astronautical Research Inst., Amsterdam, Papers, 1965 53p.

Ravich, M. G.; Klimov, L. V.; Solvev, D. S.
PRECAMBRIAN OF EAST ANTARCTICA.
Mono. Dokembrii Vostochnoi Antarktidy, Moscow, 1965 470p.

Reutov, O. A.
REACTION MECHANISMS OF ORGANOMETALLIC COMPOUNDS.
Unidentified Russian mono., n.p., n.d.
To be pub. by North-Holland Publishing Co., P. O. Box 103, Amsterdam-C, Netherlands.

Rozin, L. A.
COMPUTING THE METHOD OF BREAKING UP AN ARCHED DAM HAVING A COMPLEX CONFIGURATION AND TAKING INTO ACCOUNT THE PLIABILITY OF THE BASE (O Raschete Metodom Raschleneniya Arochnykh Plotin Slozhnoi Konfiguratsii s Uchetom Podatlivosti Osnovaniya).
Vsesoyuznyi Nauchno-Issledovatelskii Institut Gidrotekhniki. Izvestiya (USSR) v79 p127-54 1965.

Savin, G. N., ed.
STRESS CONCENTRATION. VOL. 1.
Unidentified mono., Kiev, 1965 348p.

Sheinin, I. S.; Noskov, L. D.
REMOTE CONTROL VIBRATION COUNTERS (Vibrodatchiki s Distantsionnym Upravleniem).
Vsesoyuznyi Nauchno-Issledovatelskii Institut Gridrotekhniki. Izvestiya (USSR) v79 p199-203 1965.

Sinitsa, F. I.
EXPERIENCE IN MANUFACTURING HYDRAULIC TURBINES FOR KRASNOIARSK POWERPLANT (Iz Opyta Izgotovleniya Gidroturbiny Dlya Krasnoiarskoi GES).
Byulleten Tekhniko-Ekonomicheskoi Informatsii (USSR) n4 p33-6 1965.

Shmuglyakov, L. S.; Lasenko, V. E.
DESIGNING THE BLADE PROFILE OF R-O HYDRAULIC TURBINES FOR GOOD ANTICAVITATIONAL QUALITIES (Profilirovanie Lopasti r-o Gidroturbiny iz Usloviya Obespecheniya Vysokikh Antikavitatsionnykh Kachestv).
Izvestiya Vysshikh Uchebnykh Zavedenii. Energetika (USSR) n11 p100-6 1964.

Stoll, W. A.
LYSERGIC ACID DIETHYLAMIDE, A HALLUCINOGENIC FROM THE ERGOT GROUP.
Schweizer Archiv fuer Neurologie und Psychiatrie, v60 p1-45 1947.

Stolnikov, V. V.
CONCRETE FOR CONSTRUCTING DAMS ON ROCKY BASE AND THE RELATED PROBLEM OF CRACKING IN MOIST CLIMATIC CONDITIONS (Beton dlya Stroitelstva Plotin na Skalnom Osnovanii v Svyazi s Problemoi Treshchino Stoikosti v Surovykh Klimaticheskikh Usloviyakh).
Vsesoyuznyi Nauchno-Issledovatelskii Institut Gidrotekhniki Izvestiya (USSR) v79 p20-40 1965.

Szymborski, S.
BOTTOM SURVEYS BY MEANS OF AN ECHO-SOUNDER.
Politechnika, Danzig. Zeszytz Naukowe (Poland) n7 p77-101 1959.

Takhtayan, A. L.
FOUNDATIONS OF EVOLUTIONARY MORPHOLOGY OF THE ANGIOSPERMS.
Mono. Osnovy Evolutsionnoi Morfologii Pokrytosemennykh, Moscow/Leningrad, 1964 236p.

Tedone, O.
NO ENGLISH TITLE GIVEN (Saggio di una Teoria Generale delle Equazioni dell'Equilibrio Elastico per un Corpo Isotropo. (Memoria I.)).
Annali di Matematica (Italy) v8 n3 p130-80 1903.

Tedone, O.
NO ENGLISH TITLE GIVEN (Saggio di una Teoria Generale delle Equazioni dell'Equilibrio Elastico per un Corpo Isotropo. (Memoria II.)).
Annali di Matematica (Italy) n10 n3 p13-64 1904.

Vatolin, E. S.
SOME DYNAMICS PROPERTIES AND NATURAL CAUSING DEFORMATIONS OF MOUNTAIN ROCKS.
Mono. Nekotorye Dinamicheskie Svoistva i Priroda Deformirovaniya Gornykh Porod, Moscow, 1966 p8-15, 42-53.

Wojciechowska, H.
STUDIES ON MYCOTROPHY OF SPRUCE (PICEA EXCELSA LK.) (Studia nad Mikotrofizmem Swierka Pospolitego (Picea Excelsa LK.)
Folia Forestalia Polonica. Seria A. Lesnictwo, n2 p123-66 1960.

Zarembo, L. K.; Krasilnikov, V. A.
INTRODUCTION TO NONLINEAR ACOUSTICS: HIGH INTENSITY SOUND WAVES AND ULTRASONIC WAVES.
Mono. Vvedenie v Nelineinyui Akustiky: Zvykovye i Ultrazvkovye Volny Volshoi Unternsivnosti, n.p., 1966.
To be pub. by PLPC.

Zimny, H.
MICROBIOLOGICAL SOIL CHARACTERISTICS IN THREE FOREST ASSOCIATIONS IN THE CARPATHIAN MOUNTAINS (Charakterystyka Mikrobiologiczna Gleb Trzech Zespolow Lesnych Pogorza Karpackiego).
Folia Forestalia Polonica. Seria A. Lesnictwo, n4 p89-116 1960.

Zvonkov, V. V.
WATER AND WIND EROSION OF THE SOIL.
Mono. Vodnaya i Vetrovaya Eroziya Zemli, n.p., n.d. p80-5.

Zundelevich, M. I.; Prutkovskii, S. A.
TECHNOLOGY OF LARGE ELECTRIC MACHINE BUILDING. PT. 2, HYDROGENERATORS.
Mono. Tekhnologiya Krupnogo Elektromashinostroeniya, Moscow, 1966 321p.

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